:KOPPERS

FAX NO. :5032852831

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January 12, 2007

Date 7671 Post-It" Fax Note MAC Co. Co./Dept. Phone I Phone # Fax # Fax#

Department of State Police

ice of State Fire Marshal 4760 Portland Road NE Salem, OR 97305-1760 503) 378-6835 sfm.cr2k@etate.or.us

Quality Service Engl.

KOPPERS INC T J TURNER

7540 NW ST HELENS RD PORTLAND OR 972103663

Theodore R. Kuld

FACILITY ID: 006202

SITE ADDRESS: 7540 NW ST HELENS RD; PORTLAND

SUBJECT: EPCRA Section 302 Extremely Hazardous Substance (EHS) Requirements

The facility listed above has notified the Oregon Office of State Fire Marshal (OSFM) that it is subject to the emergency planning provisions of Section 302 of the federal Emergency Planning and Community Right to Know Act (EPCRA). This notification is based on information submitted by the facility on OSFM's Hazardous Substance Information Survey (HSIS). In an effort to validate the information provided on the HSIS, we are asking you to confirm whether this facility is indeed subject to EPCRA Section 302. To be subject to Section 302, the facility must meet one of the following criteria:

- 1. Possess a substance found on the Environmental Protection Agency's (EPA) List of Extremely Hazardous Substances in a quantity equal to or greater than the threshold planning quantity (TPQ), or
- 2. Possess a substance, or substances, that contain an ingredient found on the EPA's List of Extremely Hazardous Substance and the total amount of that <u>ingredient</u> is equal to or greater than the threshold planning quantity (TPQ).

Access the EPA's List of EHS at: http://vosemite.epa.gov/oswer/ceppoehs.nsf/Alphabetical Results

If you have any questions, contact the Oregon Office of State Fire Marshal's Hazardous Substance Information Hotline at (503) 378-6835.

### Please complete the information below and mail or fax this letter to:

Oregon Office of State Fire Marshal Community Right to Know Unit 4760 Portland Rd NE Salem, OR 97305-1760 Fax No.: (503) 373-1825

A	Yes, this facility is subject to the requirements set for Hazardous Substance Information Survey has been s		
	No, this facility is not subject to the requirements set Oregon Hazardous Substance Information Survey for		he
NAN	ME: TJ Turner	TITLE: PLANT Super, News	ent
РНО	NE NUMBER: (S03) 286-368/	DATE: 49/07	<del>5</del> 8

KOPPERS	FAX TRANSMITTAL	Portland. Oregon 97210-3663 Phone: (503) 286-3681 Fax: (503) 285-2831 Web Page: www.koppers.com
TO: T. Self		DATE: 2/16/05
FROM: Amos	·	TOTAL # OF PAGES: ?
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IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX:# 503-285-2831

## RETAIN A COPY OF THIS SURVEY FOR 3 YEARS

Due Date: November 30, 2004

2004

**Facility ID Number:** 

006202

#### **OREGON STATE FIRE MARSHAL** HAZARDOUS SUBSTANCE INFORMATION SURVEY

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] areas.

SECTION A HAZARDOUS SUBSTANCE PRESENCE Check the correct box	to the left.
🔀 YES 🗌 NO 1. Were there hazardous substances present at this site in	reportable quantities during this survey period? at this site at or above the threshold planning quantities during this survey period ction 112(r) of the Clean Air Act?
SECTION B DEMOGRAPHIC DATA Complete, correct or add information in the	ne [bracketed] areas.
1. NAICS CODE 1: 325192 DEFINITION: CYCLIC CRUDE & 1 2. NAICS CODE 2: DEFINITION: 3. BUSINESS ACTIVITY AT THIS SITE: COAL TAR PITCH TERM	MINAL
4. DUN & BRADSTREET #: 02-773-4359	
5. OWNER/CEO/REG AGENT:	W.W. TURNER, CE a
6. SEND TO ATTENTION OF: AMOS S KAMERER	-T J TURNER
7. E-MAIL ADDRESS: KAMERERAS@KOPPERS.COM	TURNERT JE KOPPERS COM
8. BUSINESS NAME: KOPPERS INC	9. DEPT OR DIV:
10. SITE ADDRESS: 7540 NW ST HELENS RD  [CITY: PORTLAND  [COUNTY: MULTNOMAH  [STATE: OR ZIP CODE: 97210-3663  12. BUSINESS PHONE: 503-286-3681  [14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: AMOS S KAMERER  [TOTTURNER  16. RESPONSIBLE FIRE DEPARTMENT: DORTLAND FIRE	11. MAILING ADDRESS: 7540 NW ST HELENS RD  CITY: PORTLAND  COUNTY: MULTNOMAH  STATE: OR ZIP CODE: 97210-3663  []  13. NUMBER OF EMPLOYEES AT THIS SITE: 3  15. EMERGENCY CONTACT PHONES: DAY: 503-286-3681 NIGHT: 503-246-8045  []  [] [] [] [] [] [] [] [] [] [] [] [
PORTLAND FIRE	E BUREAU
SPECIAL FIRE DEPARTMENT INFORMATION. This section is for information the fire the section is for information the fire types. NO WRITTEN EMERGENCY PLAN. IF YES, WHERE AT SITE 18. YES NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; 19. YES NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED 20. YES NO ARE OTHER TYPES OF PLACARDS USED?	e.g., sprinklered, halon system, etc.
	SECTION C PERSON COMPLETING FORM  Signature required: I certify that the information provided is true and accurate

**AMOS S KAMERER** KOPPERS INC

7540 NW ST HELENS RD PORTLAND, OR 97210-3663 to the best of my knowledge. This person will be contacted to answer any questions needing clarification.

1. PRINT NAME:

### Facility ID Number 006202

**OREGON STATE FIRE MARSHAL Hazardous Substance Information Survey** 

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## Facility ID Number 006202

# 2004 OREGON STATE FIRE MARSHAL Hazardous Substance Information Survey

"SECTION D	Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.	
Common Name o	or Trade Name: DIESEL #2	
	rdous Ingredient: DIESEL FUEL #2	]
No Longer Reportable 112R EHS	Physical Units of Avg Amt Amt IN Amt OUT No Days Storage Code Hazard Class UN/NA EPA Pesticide Registration State Measure Use Table II Use Table II Use Table III Use Tabl	1 No:
PSM 1-Pure 2-Mixture ]	CAS No. if know  2	νn ]
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Common Name o	or Trade Name: GASOLINE	
	rdous Ingredient:PETROLEUM DISTILLATES	]
No Longer Reportable 112R EHS PSM	Physical State Measure Use Table II Use Table III Use Tabl	]
1-Pure 2-Mixture [ ]		_]
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# 2004 OREGON STATE FIRE MARSHAL Hazardous Substance Information Survey

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.	
Common Name or Trade Name: HEAVY CREOSOTE DISTILLATE [	]
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Common Name or Trade Name: MOTOR OIL	]
Hazardous Ingredient: PETROLEUM HYDROCARBONS   No Longer	]
Reportable  Physical Units of State Measure Code Code Code Code Code Code Use Table II Use Table III	o: _]
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	<u>]</u>
	]
Common Name or Trade Name: NITROGEN	]
Hazardous Ingredient: NITROGEN	].
No Longer Reportable    Physical State   Measure   Code	]
LOC M	
In/Out   Building   Floor   Area   Room   Quadrant   Use Table   O   EMPLOYEE SVC 2     1   UPPER LEVEL   NITROGEN TANK   NE   20     20	]
	<u>]</u>
	j
Common Name or Trade Name: OXYGEN	
Hazardous Ingredient: OXYGEN	]
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**□** PSM

## 2004 OREGON STATE FIRE MARSHAL

Facility ID Number

006202 **Hazardous Substance Information Survey** SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area. Common Name or Trade Name: OXYGEN Common Name or Trade Name: PETROLEUM PROCESS OIL, CALORIA HT 43 Ţ Hazardous Ingredient: PETROLEUM DISTILLATES No Longer Reportable Amt OUT EPA Pesticide Registration No: Physical Units of Avg Amt Max Amt No Days Storage Code Hazard Class UN/NA 112R Table VI State Measure Code Code Code Code On Site Use Table IV & V if known Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits 4.5 Use Table 1 5 EHS CAS No. if known □ PSM 21 365 2 21 04 00 1-Pure 2-Mixture LOCATION Loc Max In/Out Room Quadrant Use Table III Building Floor Area Delete 0 CONTROL RM 5 1 UPPER LEVEL **TANK T-240** C 20 Delete CONTROL 0 RMUPPER LEVEL TANK C 20 Delete 0 EMPLOYEE SVC OIL STGE SHED DRUM NE 04 Delete Delete 65 Common Name or Trade Name: PROPANE Hazardous Ingredient: PROPANE No Longer Reportable EPA Pesticide Registration No: UN/NA Physical Units of Avg Amt Max Amt Amt IN Amt OUT No Days Storage Code Hazard Class 112R Table VI On Site Use Table IV & V if known State Measure Code Code Code Code Use Table Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits L 2 6 2.1 EHS ][ ][ ][ CAS No. if known PSM 3 04 04 00 365 6.3 1075 74986 2 1-Pure 2-Mixture **LOCATION** Loc Max -In/Out Building Area Room Quadrant Use Table-III Floor Delete OF BLD CONTROL RM 5 1 IN FRONT 02 0 NA C Delete Delete Common Name or Trade Name: SODIUM HYDROXIDE Hazardous Ingredient: SODIUM HYDROXIDE No Longer Reportable Physical Units of Avg Amt Max Amt Amt IN Amt OUT No Days Storage Code Hazard Class UN/NA EPA Pesticide Registration No: 112R Table VI State Measure Code Code Code Code On Site Use Table IV & V if known 8.0 Use Table I Lise Table II Use Table III Use Table ill Use Table III Use Table III 3 digits I 1 4 EHS

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6.3

1823

CAS No. if known

1310732

# 2004 OREGON STATE FIRE MARSHAL Hazardous Substance Information Survey

Facility ID Number 006202

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: SODIUM HYDROXIDE LOCATION Loc Max In/Out Building Floor Area Room Quadrant Use Table III Delete UPPER LEVEL I BOILER HOUSE 2 1. DRUM 11 Delete Delete Common Name or Trade Name: SODIUM SULFITE Hazardous Ingredient: SODIUM SULFITE ☐ No Longer Reportable Physical Units of Avg Amt Max Amt Amt IN Amt OUT No Days Storage Code Hazard Class UN/NA EPA Pesticide Registration No: 112R Table VI State Measure Code Code Code Code On Site Use Table IV & V if known Use Table I Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits 1 6.3 4 EHS ][ ][ ][ CAS No. if known ☐ PSM 20 00 365 7757837 1-Pure 2-Mixture 11 -LOCATION Loc Max In/Out Building Ficor Area Room Quadrant Use Table III Delete BOILER HOUSE 2 1 I UPPER LEVEL DRUM 11 Delete Delete

# 2004 OREGON STATE FIRE MARSHAL Hazardous Substance Information Survey

Facility ID Number 006202

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area. Common Name or Trade Name: Hazardous Ingredient: No Longer Reportable Amt IN Avg Amt No Days UN/NA EPA Pesticide Registration No: Physical Units of Max Amt Amt OUT Storage Code Hazard Class 112R Code Code Code On Site Use Table IV & V Table VI State Measure Code if known Use Table I Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits ☐ EHS ][ ][ ][ CAS No. if known PSM 1-Pure 2-Mixture LOCATION Loc Max In/Out Building Floor Room Quadrant Area Use Table III Delete Delete Delete Common Name or Trade Name: Hazardous Ingredient: No Longer Reportable No Days EPA Pesticide Registration No: Physical Units of Avg Amt Max Amt Amt IN Amt OUT Storage Code Hazard Class UN/NA ☐ 112R On Site Use Table IV & V Table VI State Measure Code Code Code Code if known Use Table I Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits ☐ EHS CAS No. if known □ PSM 1-Pure 2-Mixture LOCATION Loc Max In/Out Building Floor Room Quadrant Area Use Table III Delete Delete Delete Common Name or Trade Name: Hazardous Ingredient: No Longer Reportable Units of EPA Pesticide Registration No: Physical Avg Amt Max Amt Amt IN Amt OUT No Days Storage Code Hazard Class UN/NA ☐ 112R On Site Table VI. Measure Use Table IV & V State Code Code Code Code if known Use Table I Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits **□EHS** CAS No. if known ☐ PSM LOCATION Loc Max In/Out Building Floor Room Quadrant Area Use Table III Delete Delete Delete 

# 2004 OREGON STATE FIRE MARSHAL Additional Location Sheet

Facility ID Number 006202

SECTION

Enter the information in the [bracketed] areas.

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# THE ITEMS LISTED ON THIS PAGE MUST BE ENTERED ON THE SURVEY OR IT WILL BE RETURNED.

#### **SECTION A**

□YES □NO

1. Were there hazardous substances present at this site in reportable quantities during the survey period?

#### SECTION B

- 1. NAICS CODE
- 3. BUSINESS ACTIVITY AT THIS SITE
- 5. OWNER/CEO/REG AGENT
- 7. E-MAIL ADDRESS
- 8. BUSINESS NAME
- 10. SITE ADDRESS
- 11. MAILING ADDRESS (Enter NONE if an e-mail address is not available)
- 12. BUSINESS PHONE
- 14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE
- 15. EMERGENCY CONTACT PHONE NUMBERS, DAY AND NIGHT PHONE
- 16. RESPONSIBLE FIRE DEPARTMENT

#### SECTION C

- 1. PRINT NAME
- 2. SIGNATURE

SECTION D (These must be included if you are reporting substances)

- COMMON NAME/TRADE NAME
- PHYSICAL STATE
- UNIT OF MEASURE
- AVG. AMT. CODE
- MAX. AMT CODE
- AMT IN. CODE
- AMT OUT. CODE
- NUMBER OF DAYS ON SITE
- STORAGE CODE
- STORAGE LOCATION(S) AND LOCATION MAXIMUM AMOUNTS

FOR HELP COMPLETING THE SURVEY CALL THE HAZARDOUS SUBSTANCE INFORMATION HOTLINE AT 503-378-6835

# \*\*Attention\*\*

## Be sure and check these three items in **Section B** of the Survey

(The survey may be returned if these three fields are not completed)

### 1. SECTION B #1. NAICS CODE:

The Standard Industrial Classification (SIC) codes have been revised to better describe business activities. This new code is called the "North American Industry Classification System" (NAICS) and uses a six-digit number.

If NAICS CODE 1 is not already completed, please enter the new NAICS code and its definition that best describes the industry and business activity of your facility at this site.

To assist you in completing this information, we have listed some resources you can use to find the NAICS code that best applies to your facility.

You can cross-reference from the previous SIC code to the 2002 NAICS at:

#### http://www.census.gov/epcd/naics02/index.html

There is more information at the U.S Census web site:

### http://www.census.gov/epcd/www/naics.html

### 2. SECTION B # 5. OWNER/CEO/REG AGENT:

• This is the person of legal record for the facility E.g, owner, chief executive officer, registered agent, director, or president.

### 3. SECTION B #7. E-MAIL ADDRESS:

#### YOUR E-MAIL ADDRESS IS IMPORTANT – MAKE SURE IT IS CORRECT

IMPORTANT NOTE: Electronic Survey Submission is now available for those facilities that have previously provided an e-mail address. If you would like the ability to submit your survey electronically in the future, you must provide an e-mail address.

- If your facility has a business e-mail address (not a website), please write it in Section B, #7 of the Survey. If your facility does not have an e-mail address, please write **NONE**.
- If the pre-printed e-mail address is incorrect, make changes in the gray shaded area.
- Your e-mail address will be data entered exactly as you provide it. If your e-mail address is case sensitive, please be sure and list it as it needs to be entered.
- If special e-mail notices or announcements should be directed to a specific person at the facility, provide the e-mail address for this person in Section B, #7.

If you have any questions, or after submitting the survey your e-mail changes, please call the Hazardous Substance Information Hotline at (503) 378-6835.

# IMPORTANT CHANGE

## REPORTABLE QUANTITY OF GASES

All gases (compressed, liquefied and cryogenic) are reportable at 200 cubic feet.

GASES: 200 CUBIC FEET OR MORE

(At atmospheric pressure and temperature)

If your facility has compressed, liquefied or cryogenic gases at the site in quantities equal to or greater than 200 cubic feet, there is a reportable quantity and therefore it must be included on the Hazardous Substance Information Survey.

#### **EXCEPTION:**

Gases intended for human/animal ingestion and/or inhalation either directly or added to a product are exempt from reporting if **ALL** of the following apply:

- The gas is present at the site where human/animal ingestion and/or inhalation occurs.
- The gas is not being used in a manufacturing process.
- The gas is not a cryogenic.
- The gas is not being stored at the site in excess of 1,000 cubic feet.

For further instructions, please see the Instruction Booklet.

THIS SURVEY IS

# DUE

NO LATER THAN

November 30, 2004

REQUIRED BY BOTH FEDERAL AND STATE LAW

- Incomplete surveys will be returned to the facility and will not be considered "received" by the Office of State Fire Marshal.
- Maximum amount codes, substance storage locations and location maximum amounts must be provided or the survey will be considered incomplete and returned to the facility.
- Facilities failing to submit a completed survey by the due date will be issued a Notice of Non-compliance and Proposed Penalty Assessment Order as required by OAR 837-85-0090(2).

# IMPORTANT INFORMATION

THE INFORMATION IN THIS NOTICE IS CRITICAL AND WILL AFFECT HOW THE 2004 HAZARDOUS SUBSTANCE INFORMATION SURVEY IS COMPLETED. CAREFULLY READ THE FOLLOWING EXPLANATIONS AND REFER TO THE INSTRUCTION BOOKLET FOR DETAILS.

- The maximum amount code must be reviewed and provided for each reportable substance.
- Report each substance name only once. Identify different storage locations for the substance in the location fields provided.
- At least one storage location must be provided for each substance. <u>Detailed Instructions</u> are provided in the Instruction Booklet.
- Each storage location containing a reportable quantity of a substance must be included in the "location" field of Section D. The maximum amount ("Loc Max") must be provided for each location listed. The "Loc Max" code cannot be larger than the "Max Amt" code.
- If there are more storage locations with reportable quantities than space allows in section D, enter the additional locations on the Section E Form provided.
- If the facility does not have a reportable quantity of a substance in a single location but the accumulative amount throughout the facility reaches the OSFM reportable quantity, enter "various" on the first location line in the "Building" column.
- If the facility has an e-mail address, enter it in the space provided in Section B (not a Web site). If you do not have an e-mail address, enter "NONE".
- See the Instruction Booklet for additional information.

OCT 4 2004

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ODEQ AIR Permit 2003 Throughput Northwest Terminal - All Quantities shown are in ponuds

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Boiler	323	285	232	221	230	184	199	217	170	231	.137	212	2641	
Fume System	277	254	231	266	230	180	199	217	175	247	120	200	2596	

## ODEQ AIR Permit 2004 Throughput Northwest Terminal - All Quantities shown are in ponuds

Movement	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
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HO T-33 to T-200	0	0	0	0	0	0	0	0	0	0			0
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HO cars to T-67	. 0	0	0	0	0	0	0	0	0	0			0
HO T-67 to T-33	0	0	0	0	0	0	0	0	0	0			0
Vessel to T-200	0	0	14435522	0	0	0	0	0	0	9258970			23694492
Solid to T-65	0	0	0	0	0	0	0	0	0	0			0
Outage T-33 (24')	15.5	12	13.58	15	16.5	18.6	14	15.75	18	20.75			
Outage T-67 (29')	29'	29	29	29	29	29	29	29	29	29			
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E-170	292	259	250	225	217	275	220	217	222	259			
E-270	316	351	278	269	256	298	230	260	267	329			
Boiler	225	181	180	128	153	183	175	139	147	182			
Fume System	213	175	178	106	131	174	158	125	147	178			

## **DEPARTMENT OF STATE POLICE**

	OFFICE OF STATE I	TIRE MARSHAL
CO	MPANY NAME / DPPS //	<u> </u>
DA	te <u>//-20-03</u> facility i.d. <u>/</u>	20620Z initials Q
SU	BJECT 20 03 HAZARDOUS SUE	SSTANCE INFORMATION SURVEY
We appreciate y	our effort, however	
The enclosed Hazar	rdous Substance Information Survey is being	greturned because it is missing information.
PLEASE REPLY	PROMPTLY	
provide and sub	mit the missing information by that du	r left hand corner of the enclosed survey. Please e date. If this due date has passed, provide and s notice to minimize compliance actions.
	nformation have been highlighted on the survey whighted areas are completed or the survey w	vey pages to show you what needs to be completed. Please will again be returned to you.
•		refer to the instruction packet you received with the back of this page to assist in the completion of the survey.
If you need assista Hotline at 503-378-		ons, please call the Hazardous Substance Information
	OTICE: Failure to return the COMPLETI Notice of Non-Compliance" and possible	ED survey by the date indicated above, will result in penalty assessment.
·	INFORMATION MISSING	G FROM SURVEY ✓
Section A	☐ Are Hazardous Substances Present	☐ Are Extremely Hazardous Substances Present
<del></del>	☐ Are 112R Substances Present	
Section B	☐ Business Activity	☐ Number of Employees
	☐ Managers Name	☐ Emergency Assistance Contact Person
	☐ Business Name	☐ Emergency Contact Phone Numbers
	☐ Site Address	☐ Responding Fire Department
	☐ Business Phone	☐ Special Fire Department Information
Section C	☐ Signature	- Changed
Section D	☐ Common Name/Trade Name	☐ Amount In ☐ Amount Out
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NINA	Maximum Amount	provided for each substance. See example on reverse)
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For assistance, call the Hazardous Substance Information Hotline at 503-378-6835.

# TABLES TO BE USED FOR COMPLETION OF SURVEY

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# OREGON STATE FIRE MARSHAL Hazardous Substance Information Survey

SEC	CTION D	Cross off the old or i	ncorrect information	and type or print cha	inges or additions in the [br	acketed] area.
Comn	non Name o	or Trade Name: COAL TAR P	ITCH-LIQUID	2		]
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Delete

# **OREGON STATE FIRE MARSHAL**

Facility ID Number 006202

Form **Hazardous Substance Information Survey** Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area. SECTION D Common Name or Trade Name: GASOLINE Hazardous ingredient: PETROLEUM DISTILLATES No Longer Reportable **EPA Pesticide Registration No:** Storage Code UN/NA No Days Hazard Class Amt IN Amt OUT Units of Avg Amt Max Amt **Physical** Table Vi Use Table IV & V if known 112R Code On Site Code Code State Measure Code 3.1 Use Table Use Table li Use Table III Use Table III Use Table III Use Table III 3 digits N EHS ][\_][ CAS No. If known PSM 1203 8006-61-9 365 6.3 02 02 04 04 00 LOCATION Loc Max ·Use Table III Room Quadrant Floor Area In/Out Building 02 OIL STGE SHED FLAM STGE CABNT NE Delete EMPLOYEE SVC 2 Delete Delete Common Name or Trade Name: HEAVY CREOSOTE DISTILLATE Hazardous Ingredient: CREOSOTE ☐ No Longer Reportable No Days **EPA Pesticide Regist** Amt OUT Storage Code Hazard Class UN/NA Units of Max Amt Amt IN **Physical** Avg Amt ☐ 112R State Measure Code Code Code Code On Site Use Table IV & V Table VI if known Use Table Use Table i Use Table III Use Table III Use Table III EHS Use Table III 3 digits 1 5 ][ ][ ] PSM CAS No. I 21 1-Pure 2-Mixture 31 365 3082 65996-9<sup>-</sup> 20 LOCATION Loc Max In/Out Building Floor Area Room Quadrant Use Table III Delete 0 CONTROL RM-3 1 TANK FARM TANK T-67 C 30 31 Delete CONTROL RM-5 TANK FARM TANK T-33 C 30 Delete Delete 1 I Common Name or Trade Name: MOTOR OIL Γ Hazardous ingredient: PETROLEUM HYDROCARBONS ☐ No Longer Reportable EPA Pesticide Registration No: Amt IN Amt OUT No Days Storage Code Hazar Class UN/NA **Physical** Units of Avg Amt Max Amt 112R Table VI Use Table IV & V if known State Measure Code Code Code Code On Site Use Table Use Table II Use Table III 4.5 Use Table III Use Table III Use Table III 3 digits D 1 4 EHS ][ CAS No. if known PSM 04 04 00 365 1270 64742-54-7 2 1-Pure 2-Mixture LOCATION Loc Max In/Out Building Floor Area Room Quadrant Use Table III Delete EMPLOYEE SVC 2 1 0 OIL STGE SHED NA NE 04 Detete

][[

## HETAIN A COPY OF THIS SURVEY FOR 3 YEARS

Due Date: November 30, 2003

Cc: FAX - T. Self

### 2003

Facility ID Number: 006202

## OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] areas.

The state of the s	print origing or additions in the (principaled) aloas.
SECTION A HAZARDOUS SUBSTANCE PRESENCE Check the correct box to	o the left.
<ul> <li>X YES</li> <li>NO</li> <li>1. Were there hazardous substances present at this site in r</li> <li>X YES</li> <li>NO</li> <li>2. Were Extremely Hazardous Substances (EHS) present at</li> <li>YES</li> <li>X NO</li> <li>3. Is this facility subject to the reporting requirements of Sec</li> <li>YES</li> <li>NO</li> <li>4. Is this facility subject to the Process Safety Management</li> </ul>	t this site at or above the threshold planning quantities during this survey period tion 112(r) of the Clean Air Act?
SECTION B DEMOGRAPHIC DATA Complete, correct or add information in the	
1. NAICS CODE 1: 325/92 DEFINITION Cyclic Caude &	Intermediate MANUFACTURING
2. NAICS CODE 2: DEFINITION:	
3. BUSINESS ACTIVITY AT THIS SITE: COAL TAR PITCH TERM	
	TO A CONTRACT TO A PROPERTY OF A 1
4. DUN & BRADSTREET #: 02-773-4359	【
5. MANAGER'S NAME: AMOS S KAMERER	
6. SEND TO ATTENTION OF: AMOS S KAMERER	
7. E-MAIL ADDRESS: KAMERERAS@KOPPERS.COM	
8. BUSINESS NAME: KOPPERS INC	9. DEPT OR DIV:
10. SITE ADDRESS: 7540 NW ST HELENS RD	11. MAILING ADDRESS: 7540 NW ST HELENS RD
CITY: PORTLAND	[ CITY: PORTLAND
1	[
COUNTY: MULTNOMAH	COUNTY: MULTNOMAH
STATE: OR ZIP CODE: 97210-3663	STATE: <b>OR</b> ZIP CODE: <b>97210-3663</b>
12. BUSINESS PHONE: 503-286-3681	13. NUMBER OF EMPLOYEES AT THIS SITE:
	[III III III III III III III III III II
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE:	15. EMERGENCY CONTACT PHONES:
AMOS S KAMERER	DAY: 503-286-3681 NIGHT: 503-246-8045
16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE	
PORTLAND FIRE	THE REPORT OF THE PARTY OF THE
SPECIAL FIRE DEPARTMENT INFORMATION. This section is for information the fire	e service needs to know in case of an emergency.
- STATE TO NO. HIDETEN ENERGENCY DIAM IEVEC MUEDE AT CITE.	Office And Control Room
ALITOMATIC EIDE CLIPPRECCION CYSTEM PRESENT: A	g., sprinklered, halon system, etc.
18. ☐ YES ☐ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED	
20. YES X NO ARE OTHER TYPES C: PLACARDS USED?	
	SECTION C PERSON COMPLETING FORM
	Signature required: I certify that the information provided is true and accurate
	to the best of my knowledge. This person will be contacted to answer any
AMOS S KAMERER	questions needing clarification.
KOPPERS INC	1. PRINT NAME: Amos As KAMERER
7540 NW ST HELENS RD	2. SIGNATURE:
PORTLAND, OR 97210-3663	3. Date: 11/18/03/ Prone: 503-286-368/ Ext: //

Chemical Form

# 2003 OREGON STATE FIRE MARSHAL Hazardous Substance Information Survey

Facility ID Number 006202

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area. Common Name or Trade Name: ACETONE E Hazardous Ingredient: ACETONE No Longer Reportable Physical Units of Avg Amt Max Amt Amt IN Amt OUT No Days Storage Code Hazard Class UNNA EPA Pesticide Registration No: 112R State Measure Code Code Code On Site Use Table IV & V Table VI Code if known Use Table Use Table II Use Tabk .!! Use Table III Use Table III Use Table III 3 digits F 1 3.1 EHS ][ ][ CAS No. if known □ PSM 2 01 01 00 00 365 6.3 1090 67-64-1 1-Pure 2-Mixture LOCATION Loc Max Building In/Out Floor Room Quadrant Area Use Table III Delete I OFFICE 1 1 LABORATORY STGE CABNT 01 E Delete П Delete Common Name or Trade Name: ACETYLENE Г Hazardous Ingredient: ACETYLENE ☐ No Longer Reportable **Physical** Units of Avg Amt Max Amt Amt IN **Amt OUT** No Days Storage Code Hazard Class UNVNA EPA Pesticide Registration No: □ 112R Table Vi On Site Use Table IV & V Code Code Code Code if known State Measure Use Table I Use Table II Use Table...! Use Table III Use Table III Use Table III 3 digits L 4 2.1 **□EHS** ][ ][ CAS No. if known PSM 3 3 10 10 10 00 365 6.3 1001 74-86-2 1-Pure [ 2-Mixture [ LOCATION Loc Max In/Out Floor Room Building Area Quadrant Use Table III Delete MAINT SHOP 0 IN FRONT OF BLD NA C 10 Delete Delete П Common Name or Trade Name: BIG ORANGE SOLVENT Hazardous Ingredient: D-LIMONENE No Longer Reportable Amt OUT Hazard Class No Days Storage Code UN/NA **EPA Pesticide Registration No:** Units of Max Amt Amt IN **Physical** Avg Amt 112R State Measure Code Code Code Code On Site Use Table IV & V Table Vi if known EHS Use Table Use Table II | Use Tabl.; III Use Table III Use Table III Use Table III 3 digits 1 4 3.3 [ ][ ][ CAS No. if known PSM 6.3 2 2 01 01 00 00 365 5989-27-5 2 1-Pure 2-Mixture LOCATION Loc Max In/Out Building Floor Area Room Quadrant Use Table III Delete OFFICE 1 1 LABORATORY FLAM STGE CABNT 01 Delete ][ Delete

Chemical

### 2003 **OREGON STATE FIRE MARSHAL**

Facility ID Number 006202

Form **Hazardous Substance Information Survey** SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area. Common Name or Trade Name: COAL TAR PITCH-LIQUID Hazardous Ingredient: COAL TAR FITCH No Longer Reportable EPA Pesticide Registration No: **Physical** Units of Avg Amt Max Amt Amt IN Amt OUT No Days Storage Code Hazard Class UN/NA 112R State Measure Code On Site Table VI Code Code Code Use Table IV & V if known Use Table I Use Table il Use Table III Use Table III Use Table III Use Table III 3 digits 1 EHS 5 ][ ][ CAS No. if known **□** PSM 40 50 -50 51 365 6.4 3257 65996-93-2 1-Pure 2-Mixture 41 51 LOCATION Loc Max In/Out Building Floor Room Area Quadrant Use Table III Delete CONTROL RM-5 1 0 TANK FARM TANK T-68 40 C Delete CONTROL UPPER 0 **RM-5** 1 TANK T-65 LEVEL 43 Delete O PENCIL PITCH 1 UPPER LEVEL TANK T-200 NE 50 Delete Delete Common Name or Trade Name: COAL TAR PITCH-SOLID Hazardous Ingredient: PYRENE ☐ No Longer Reportable Amt IN Amt OUT No Days Storage Code UN/NA **EPA Pesticide Registration No: Physical** Units of Avg Amt Max Amt Hazard Class □ 112R Table Vi State Measure Code Code Code Code On Site Use Table IV & V if known Use Table I Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits 1 4.5 R EHS 4 ][ ][ CAS No. if known PSM 60 365 3077 65996-93-2 1-Pure 2-Mixture 30 52 51 00 LOCATION Loc Max In/Out Building Floor Area Room Quadrant Use Table III PENCIL PITCH Delete I 1 NA NA 60 150/15 Λ/ Delete Delete [ Common Name or Trade Name: DIESEL #2 Г Hazardous Ingredient: DIESEL FUEL #2 No Longer Reportable Amt IN Units of Avg Amt Max Amt Amt OUT No Days Storage Code Hazard Class UN/NA EPA Pesticide Registration No: **Physical** □ 112R Code On Site Use Table IV & V Table VI State Code Code Code if known Measure Use Table Use Table II Use Table III Use Table III Lise Table III Use Table III 3 digits E 1 4 3.3 EHS CAS No. if known ][ ][ PSM 0.4 20 00 365 6.4 1993 68476-34-6 04

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		L	<u> </u>	<u>IIL</u>			<u> </u>
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Delete	[0]	[South of Shop	][(	[ Upper Level	][TANK DSL-1	][ <	][20]

Chemical Form

# 2003 OREGON STATE FIRE MARSHAL Flazardous Substance Information Survey or incorrect information and type or print changes or additions

**Facility ID Number** 006202

			type or print changes		, , , , , , , , , , , , , , , , , , , ,	
Common Name o	or Trade Name: GASOLINE		[			]
	dous Ingredient: <b>PETROLEUM DIST</b>	ILLATES	. [			
☐ No Longer Reportable	Physical Units of Avg Amt Max	Amt Amt IN Amt C	OUT No Days Storage	Code Hazard Class	UN/NA   EPA Pe	esticide Registration No:
☐ 112R	State Measure Code Co	de Code Cod	le On Site Use Table	FIV&V Table VI	if known	osucido negistration No.
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LOCATION					<u> </u>	Loc Max
In/Out	Building	Floor	Area	Room	) , .	Quadrant Use Table III
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			]		<u>_</u> ][	<u> </u>
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<u> </u>				<u>  L</u>	<u> </u>	
Common Name o	or Trade Name: <b>HEAVY CREOSOT</b>	E DISTILLATE	L		***	
	dous Ingredient: CREOSOTE		L			
☐ No Longer Reportable	Physical Units of Avg Amt Max	Amt   Amt IN   Amt C	OUT No Days Storage	Code Hazard Class	UN/NA   EPA Pe	esticide Registration No:
☐ 112R	State Measure Code Co				if known	7
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In/Out	Building	Floor  TANK			7	Quadrant Use Table III
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Delete [ ] [ Delete	Building  CONTROL RM-3  CONTROL RM-5  CONTROL RM-5  CONTROL RM-5  CONTROL RM-5  CONTROL RM-5  Physical Units of Avg Amt Max Code Code Code Code Code Code Code Code	Floor  TANK  TANK  TANK  TANK  TANK  TANK  TANK  TANK  TANK  Code Code Amt Amt IN Amt Code Code able III Use Table III Use Ta	FARM  FARM  [ [ COUT No Days   Storage   Use Table   Use Table   Use Table   D 1   [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [	TANK T-6	UN/NA EPA Pair known [ 6	Quadrant Use Table III  C
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Chemical Form

# 2003 OREGON STATE FIRE MARSHAL Hazardous Substance Information Survey

Facility ID Number 006202

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Chemical Form

# 2003 OREGON STATE FIRE MARSHAL Hazardous Substance Information Survey

Facility ID Number

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area. Common Name or Trade Name: PROPANE Hazardous Ingredient: PROPANE No Longer Reportable **Physical** Units of Max Amt Amt OUT Avg Amt Amt IN No Days Storage Code Hazard Class UNNA **EPA Pesticide Registration No:** □ 112R State Measure Code Code Code Code On Site Use Table IV & V Table VI if known Use Table Use Table II Use Table III Use Table III Use Table III Use Table II 3 digits 2.1 L 2 EHS ][ ][ CAS No. if known **□** PSM 3 04 04 00 365 6.3 1075 74-98-6 1-Pure 2-Mixture 11 LOCATION Loc Max In/Out Floor Room **Building** Area Quadrant Use Table III Delete 0 CONTROL RM 5 1 IN FRONT OF BLD NA 02 C Delete Delete Common Name or Trade Name: QUINOLINE REFINED Hazardous Ingredient: QUINOLINE No Longer Reportable **Physical** Max Amt Amt IN Amt OUT Storage Code Hazard Class UNNA **EPA Pesticide Registration No:** Units of No Days Avg Amt ☐ 112R On Site Use Table IV & V Table VI State Measure Code Code Code Code if known 8.0 Use Table (I Use Table Use Table III Use Table III Use Table III Use Table III 3 digits 4 ☐ EHS ][ ][ CAS No. if known ☐ PSM 02 00 1760 2 2 02 02 365 91-22-5 2 1-Pure [ LOCATION Loc Max **Building** In/Out Floor Area Room Quadrant Use Table III Delete OFFICE 1 FLAM STGE CABNT I LABORATORY 02 Delete ][ Delete Common Name or Trade Name: SODIUM HYDROXIDE Hazardous Ingredient: SODIUM HYDROXIDE No Longer Reportable Max Amt Amt IN Amt OUT No Days Storage Code Hazard Clas UN/NA **EPA Pesticide Registration No: Physical** Units of Avg Amt 112R Table VI State Measure Code Code Code Code On Site Use Table IV & V If known 1 8.0 Use Table III Use Table III 3 digits 4 Use Table I Use Table II Use Table III Use Table III **TEHS** ][ ][ CAS No. if known □ PSM 1823 1310-73-2 11 20 00 365 6.3 11 1 1-Pure [ LOCATION Loc Max Room Quadrant Use Table III In/Out **Building** Floor Area 11 DRUM E Delete I BOILER HOUSE 2 1 UPPER LEVEL Delete Delete

Chemical Form

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# 2003 OREGON STATE FIRE MARSHAL

Facility ID Number

**Hazardous Substance Information Survey** SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area. Common Name or Trade Name: SODIUM SULFITE Hazardous ingredient: SODIUM SULFITE ☐ No Longer Reportable Physical Units of Avg Amt Max Amt Amt IN Amt OUT No Days Storage Code UN/NA **EPA Pesticide Registration No:** Hazard Class 1112R State Measure Code Code Code Code On Site Use Table IV & V Table VI if known Use Table I Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits 6.3 ☐ EHS ][ ][ CAS No. if known PSM 365 1 11 11 20 00 7757-83-7 1-Pure [ LOCATION Loc Max Floor In/Out Building Area Room Quadrant Use Table III Delete BOILER HOUSE 2 1 UPPER LEVEL DRUM I 11 Delete ] Delete Common Name or Trade Name: TOLUENE Hazardous Ingredient: TOLUENE No Longer Reportable Units of Max Amt Amt OUT No Days Storage Code lazard Class **UN/NA** EPA Pesticide Registration No: **Physical** Avg Amt Amt IN **□112R** Table VI State Measure Code Code Code Code On Site Use Table IV & V if known Use Table Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits 1 4 3.2 EHS D שני שני שני CAS No. if known PSM 1 00 00 365 6.3 1294 108-88-3 01 01 N 1-Pure 2-Mixture LOCATION Loc Max In/Out **Building** Floor Area Room Quadrant Use Table III OFFICE 1 1 LABORATORY FLAM STGE CABNT 01 Delete Delete Common Name or Trade Name: XYLENE Ľ Hazardous Ingredient: XYLENE No Longer Reportable EPA Pesticide Registration No: Physical Units of Avg Amt Max Amt Amt IN Amt OUT No Days Storage Code Hazard Class UNNA 112R Use Table IV & V Table VI if known On Site State Code Code Code Code Measure Use Table ! Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits D 3.3 ☐ EHS ][ ][ ][ CAS No. if known PSM 00 1307 1330-20-7 2 2 01 01 00 365 6.3 1-Pure 2-Mixture LOCATION Loc Max In/Out Building Floor Area Room Quadrant Use Table III Delete FLAM STGE CABNT I OFFICE 1 1 LABORATORY E 01 Delete 

Received 11/26/02 Returned 11/27/02 OFFICE OF STATE FIRE MARSHAL **COMPANY NAME** SUBJECT 20 HAZARDOUS SUBSTANCE INFORMATION SURVEY We appreciate your effort, however... The enclosed Hazardous Substance Information Survey is being returned because it is missing information. PLEASE REPLY PROMPTLY The due date for this information is located in the upper left hand corner of the enclosed survey. Please provide and submit the missing information by that due date. If this due date has passed, provide and submit the information immediately upon receipt of this notice to minimize compliance actions. All areas missing information have been highlighted on the survey pages to show you what needs to be completed. Please make sure ALL highlighted areas are completed or the survey will again be returned to you. To identify what information is needed in the highlighted areas, refer to the instruction packet you received with the original survey mailing. The survey tables are provided on the back of this page to assist in the completion of the survey. If you need assistance in completing the survey or have questions, please call the Hazardous Substance Information Hotline at 503-378-6835. IMPORTANT NOTICE: Failure to return the COMPLETED survey by the date indicated above, will result in the issuance of a "Notice of Non-Compliance" and possible penalty assessment. INFORMATION MISSING FROM SURVEY ✓

			1 T 1				
	Section A	☐ Are Hazardous Substances Present	☐ Are Extremely Hazardous Substances Present				
		☐ Are 112R Substances Present					
	Section B	☐ Business Activity	☐ Number of Employees				
		☐ Managers Name	☐ Emergency Assistance Contact Person				
	.551 14 1 	☐ Business Name	☐ Emergency Contact Phone Numbers				
		☐ Site Address	☐ Responding Fire Department				
	,	☐ Business Phone	☐ Special Fire Department Information				
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	Section C	☐ Signature	ct Pitch (solid)				
2	Section D	☐ Common Name/Trade Name	Amount In MAX code changes From				
		in the second of the contract	Amount Out 61 +060				
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		LARGER THAN THE MAX AMOUNT CODE FOR THE CHEMICAL.	☐ Storage Codes ☐ Hazard Classes ☐ 30 From 40				
		☐ Average Amount	☐ Storage Location				
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Comn	nents		to 67, which was inconfect.				

For assistance, call the Hazardous Substance Information Hotline at 503-378-6835.

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## RETAIN A COPY OF THIS SURVEY FOR 3 YEARS

Due Date: November 30, 2002

2002

Facility ID Number 006202

Koppers012052

## OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] areas.

Cross on the old of inconfect information and type of p	milit changes of additions in the <u>[bijacketed]</u> areas.
SECTION A HAZARDOUS SUBSTANCE PRESENCE Check the correct box to	the left.
<ul> <li>☒ YES</li> <li>☒ NO</li> <li>☒ YES</li> <li>☒ NO</li> <li>☒ Were Extremely Hazardous Substances (EHS) present at the site in reporting YES</li> <li>☒ NO</li> <li>☒ Statis facility subject to the Process Safety Management (Formula of Section (Formula of</li></ul>	his site at or above the threshold planning quantities during this survey period on 112(r) of the Clean Air Act?
SECTION B DEMOGRAPHIC DATA Complete, correct or add information in the	bracketed] areas.
1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES AND II 2. SIC CODE 2: DEFINITION:	•
3. BUSINESS ACTIVITY AT THIS SITE: COAL TAR PITCH TERMI	NAL
4 DUNIG DDADGTDEET #	
4. DUN & BRADSTREET #: 02-773-4359 5. MANAGER'S NAME: AMOS S KAMERER	
6. SEND TO ATTENTION OF: AMOS S KAMERER	
7. E-MAIL ADDRESS: KAMERERAS@KOPPERS.COM	
	O DEDT OR DIV
8. BUSINESS NAME: KOPPERS INDUSTRIES INC	9. DEPT OR DIV:
10. SITE ADDRESS: 7540 NW ST HELENS RD	11. MAILING ADDRESS: 7540 NW ST HELENS RD
[CITY: PORTLAND	CITY: PORTLAND
OH. PORILAND	CIII. PORTLAND
COUNTY: MULTNOMAH	COUNTY: MULTNOMAH
	-
STATE: OR ZIP CODE: 97210-3663	STATE: <b>OR</b> ZIP CODE: <b>97210-3663</b>
12. BUSINESS PHONE: 503-286-3681	13. NUMBER OF EMPLOYEES AT THIS SITE: 8
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: AMOS S KAMERER [	15. EMERGENCY CONTACT PHONES: DAY 503-286-3681 NIGHT 503-246-8045
16.RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE	
SPECIAL FIRE DEPARTMENT INFORMATION. This section is for information the fire	service needs to know in case of an emergency.
17. X YES NO WRITTEN EMERGENCY PLAN. IF YES, WHERE AT SITE:	OFFICE AND CONTROL ROOM
18. MYES NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g.	, sprinklered, halon system, etc.
19. YES ,NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED A	·
20. YES ⊠ NO ARE OTHER TYPES OF PLACARDS USED?	
·	SECTION C PERSON COMPLETING FORM
AMOS S KAMERER KOPPERS INDUSTRIES INC	Signature required: I certify that the information provided is true and accurate to the best of my knowledge. This person will be contacted to answer any questions needing clarification.
7540 NW ST HELENS RD	1. PRINT NAME: A.S. Symmeter
PORTLAND, OR 97210-3663	2. SIGNATURE
	3. DATE: 11/20/0 2/00 NO: 503/286 - 368/
For office use only: R	CC. T. Self, KII 2390

# 2002 OREGON STATE FIRE MARSHAL Hazardous Substance Information Survey

Facility ID Number 006202

SEC	CTION E	Cross off the	e old or incorre	ect informa	tion and typ	e or print	changes	or additions in	the [brack	eted] are	ea.	
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# 2002 OREGON STATE FIRE MARSHAL

Facility ID Number 006202

SECTION D	Cross off the old	or incorrect information				ted] area.
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# 2002 OREGON STATE FIRE MARSHAL Hazardous Substance Information Survey

Facility ID Number 006202

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area. [ COAL TAR Pitch (solid) Common Name or Trade Name: COAL TAR PITCH Hazardous Ingredient: PYRENE ☐ 112R Physical Units of Amt OUT UN/NA EPA Pesticide Registration No: Max Amt Storage Code Avg Amt Amt IN No Days Hazard Class **EHS** Table VI State Measure Code Code Code Code On Site Use Table IV & V if known ☐ PSM Use Table 1 Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits 1 4 4.5 1-Pure 2-Mixture [ ] ][ ][ CAS No. if known 43 **5**3 1 1 42 365 6.4 3077 65996-93-2 No Longer Reportable 42 60 LOCATION In/Out Building Floor Area Room Quadrant Max Code Delete Г 16M Delete Delete Common Name or Trade Name: DIESEL #2 Hazardous Ingredient: DIESEL FUEL #2 112R Avg Amt No Days Physical Units of Max Amt Amt IN Amt OUT Storage Code Hazard Class UN/NA EPA Pesticide Registration No: EHS Table Vi State Measure Code Code Code Code On Site Use Table IV & V if known ☐ PSM Use Table II Use Table 1 Use Table III Use Table III Use Table III Use Table III 3 digits 1 4 3.3 1-Pure 2-Mixture ][ CAS No. if known 2 . 4 04 20 00 365 6 1993 68476-34-6 No Longer Reportable 04 LOCATION In/Out Building Floor Area Room Quadrant Max Code Delete ] [Oil Storage She 0 04 Delete Delete Common Name or Trade Name: GASOLINE Hazardous Ingredient: PETROLEUM DISTILLATES 112R UN/NA **EPA Pesticide Registration No: Physical** Units of Avg Amt Max Amt Amt IN Amt OUT No Days Storage Code Hazard Class EHS State Measure Use Table IV & V Table VI Code Code Code Code On Site if known ☐ PSM Use Table 1 Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits N 1 4 3.1 1-Pure 2-Mixture [ ][ ][ CAS No. if known 1203 2 04 04 365 8006-61-9 6 No Longer Reportable 02 LOCATION In/Out Building Floor Area Room Quadrant Max Code Delete Service #2 0 Oil Storage Shed Flamable 02 Delete Delete T PER E SENSE

# 2002 OREGON STATE FIRE MARSHAL Hazardous Substance Information Survey

Facility ID Number

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area. Common Name or Trade Name: HEAVY CREOSOTE DISTILLATE Hazardous Ingredient: CREOSOTE ☐ 112R UN/NA EPA Pesticide Registration No: Physical Units of Avg Amt Max Amt Amt IN Amt OUT No Days Storage Code Hazard Class EHS State Use Table IV & V Table VI if known Measure Code Code Code On Site Code ☐ PSM Use Table 1 . 5 4.5 Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits 1 ][ ][ ][ }\_1\_5 1-Pure 2-Mixture [ ] CAS No. if known 2 ≥6 Òσ 3:80 365 3082 65996-92-1 Q ☐ No Longer Reportable 21 3/ 30 31 LOCATION In/Out **Building** Floor Room Quadrant Max Code Area Delete # 7-33 50 [30] Delete ΓΦ Delete Common Name or Trade Name: MOTOR OIL Hazardous Ingredient: PETROLEUM HYDROCARBONS 112R EPA Pesticide Registration No: Amt OUT UN/NA **Physical** Units of Avg Amt Max Amt Amt IN No Days Storage Code Hazard Class EHS Table VI Use Table IV & V State Measure Code Code Code Code On Site if known PSM Use Table 1 Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits 4.5 D 1 4 CAS No. if known 2 1-Pure 2-Mixture [ ] 2 1270 64742-54-7 04 00 365 6.4 ☐ No Longer Reportable 104 LOCATION In/Out Building Floor Room Quadrant Max Code Area Delete Oid Storage NE 0 04 Ш Delete ] Delete Common Name or Trade Name: NITROGEN Hazardous Ingredient: NITROGEN 112R EPA Pesticide Registration No: Physical Storage Code UN/NA Units of Avg Amt Max Amt Amt IN Amt OUT No Days Hazard Class **□** EHS Table VI State Code On Site Use Table IV & V Measure Code Code Code if known ☐ PSM Use Table 1 Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits 2 6 2.2 1-Pure [ ] CAS No. if known 3 1066 7727-37-9 20 30 365 □ No Longer Reportable ][20 LOCATION in/Out Building Room Quadrant Max Code Floor Area Delete [ Nitrogen TANK [Employee Service #2 [0 Level LNE [20] Delete Delete Facility Control

Facility ID Number

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area. Common Name or Trade Name: OXYGEN Hazardous Ingredient: OXYGEN ☐ 112R **EPA Pesticide Registration No:** UN/NA **Physical** Units of Avg Amt Max Amt Amt IN Amt OUT No Days Storage Code Hazard Class EHS Measure Use Table IV & V Table VI State Code Code Code On Site if known Code ☐ PSM Use Table 1 Use Table II Use Table III Use Table III Use Table III Use Table III 2.2 3 digits 2 4 1-Pure 2-Mixture [ ] CAS No. if known 7782-44-7 3 20 1072 3 00 365 5.1 ☐ No Longer Reportable 10 LOCATION In/Out Building Room Max Code Floor Area Quadrant Delete 0 stof Burlding Delete Delete Common Name or Trade Name: PERCHLOROETHYLENE Hazardous Ingredient: PERCHLOROETHYLENE ☐ 112R Avg Amt No Days Storage Code UN/NA **EPA Pesticide Registration No:** Physical Units of Max Amt Amt IN Amt OUT Hazard Class EHS State Measure Code Code Code Code On Site Use Table IV & V Table VI if known PSM Use Table II Use Table 1 Use Table III Use Table III Use Table III Use Table III 3 digits 1 6.3 2 1-Pure 2-Mixture ][[ CAS No. if known 2 01 00 00 365 6.4 1897 127-18-4 No Longer Reportable LOCATION In/Out Building Floor Area Room Quadrant Max Code Delete Delete Delete ][[ Common Name or Trade Name: PETROLEUM PROCESS OIL, CALORIA HT 43 Hazardous Ingredient: PETROLEUM DISTILLATES 112R UN/NA **EPA Pesticide Registration No:** Physical Units of Amt IN Amt OUT No Days Storage Code Hazard Class Avg Amt Max Amt EHS State Measure Code Code Code Code On Site Use Table IV & V Table Vi if known ☐ PSM Use Table 1 Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits 1 5 4.5 2 1-Pure [ ] CAS No. if known ][ ][ 2 21 21 00 365 No Longer Reportable ][21 LOCATION Building In/Out Floor Room Quadrant Max Code Delete Delete 0 Delete Γο 04 RUN

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# 2002 **OREGON STATE FIRE MARSHAL**

**Facility ID Number** 006202

**Hazardous Substance Information Survey** Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area. SECTION D Common Name or Trade Name: PROPANE Hazardous Ingredient: PROPANE 7112R **EPA Pesticide Registration No:** Units of Avg Amt Amt OUT No Days Hazard Class UN/NA Physical Max Amt Amt IN Storage Code **EHS** State Measure Code Code On Site Use Table IV & V Table VI if known Code Code PSM Use Table 1 Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits L 2 2.1 6 1-Pure [ 2-Mixture [ CAS No. if known 1075 74-98-6 3 04 20 00 365 6.3 No Longer Reportable 04 LOCATION in/Out Buildina Floor Area Room Quadrant Max Code Delete tof Brid. Ш Control Room 02 Delete ] ] Delete Common Name or Trade Name: QUINOLINE REFINED Hazardous Ingredient: QUINOLINE 112R Units of Amt OUT UN/NA EPA Pesticide Registration No: Physical Avg Amt Max Amt Amt IN No Days Storage Code Hazard Class EHS State Measure Code Code Code Code On Site Use Table IV & V Table VI if known ☐ PSM Use Table II Use Table III Use Table III Use Table III Use Table Use Table III 3 digits 1 4 8.0 2 1-Pure 2-Mixture CAS No. if known ][ 2 2 02 02 00 365 1760 91-22-5 No Longer Reportable 02 LOCATION In/Out Building Floor Area Room Quadrant Max Code Delete Office #1 I 02 Delete ] Delete Г Common Name or Trade Name: SODIUM HYDROXIDE Hazardous Ingredient: SODIUM HYDROXIDE 112R Amt OUT Storage Code UN/NA **EPA Pesticide Registration No: Physical** Units of Avg Amt Max Amt Amt IN No Davs Hazard Class EHS State Measure Code Code Code Code On Site Use Table IV & V Table VI if known PSM Use Table II Use Table III Use Table III Use Table 8.0 Use Table III Use Table III 1 3 digits I 4 1-Pure 2-Mixture [ ] ][ ][ CAS No. if known 1 6.3 11 20 00 365 1823 1310-73-2 No Longer Reportable LOCATION Building In/Out Floor Area Room Quadrant Max Code Delete [ Deum Upper Level Œ

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## 2002 **OREGON STATE FIRE MARSHAL**

**Facility ID Number** 006202

**Hazardous Substance Information Survey** SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area. Common Name or Trade Name: SODIUM SULFITE Hazardous Ingredient: SODIUM SULFITE 112R UN/NA EPA Pesticide Registration No: Storage Code Hazard Class Physical Avg Amt Amt OUT No Days Units of Amt IN Max Amt ☐ EHS State Measure Code On Site Use Table IV & V Table VI if known Code Code Code ☐ PSM Use Table 1 Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits 1 6.3 I CAS No. if known 1 1-Pure 2-Mixture [ ] ][ 7757-83-7 1 1 11 20 00 365 No Longer Reportable LOCATION In/Out Building Floor Room Quadrant Max Code Area Delete Boiler House # 2 Ш Upper Level Deun Delete Delete Common Name or Trade Name: TOLUENE Hazardous Ingredient: TOLUENE 112R Avg Amt No Days Storage Code UN/NA EPA Pesticide Registration No: Units of Amt IN Amt OUT Hazard Class Physical Max Amt EHS State Measure Code Code Code Code On Site Use Table IV & V Table VI if known ☐ PSM Use Table III Use Table III Use Table 1 Use Table II Use Table III Use Table III 3 digits 1 3.2 1-Pure 2-Mixture ] ][ ][ ][ CAS No. if known 2 02 00 00 108-88-3 365 6.3 ☐ No Longer Reportable 01 01 LOCATION In/Out Building Floor Room Quadrant Max Code Area Delete Office #1 01 Delete Delete Common Name or Trade Name: XYLENE Hazardous Ingredient:XYLENE 112R Avg Amt Storage Code UN/NA EPA Pesticide Registration No: Units of Amt IN Amt OUT No Days Hazard Class Physical Max Amt **□** EHS State Measure Code Code Code Code On Site Use Table IV & V Table VI if known PSM Use Table II Use Table III Use Table III Use Table 1 Use Table III Use Table III 3 digits D 4 3.3 1-Pure 2-Mixture 2 ][ ][ CAS No. if known 02 . 3 2 2 00 00 365 6 1307 1330-20-7 N No Longer Reportable ][[0] 01 LOCATION In/Out Building Max Code Floor Area Room Quadrant Delete

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#### **Department of State Police**

Office of State Fire Marshal 4760 Portland Road NE Salem, OR 97305-1760 (503) 378-6835

Internet: oregon.sfm@state.or.us

# **AVOID PENALTIES**

November 8, 2002

Quality Service First

KOPPERS INDUSTRIES INC AMOS S KAMERER 7540 NW ST HELENS RD PORTLAND OR 97210-3663

**FACILITY ID: 006202** 

LOCATION: 7540 NW ST HELENS RD PORTLAND OR

This is a reminder that your Hazardous Substance Information Survey is due by November 30, 2002. To **AVOID PENALTIES** be sure and mail the survey so it is postmarked no later than November 30, 2002.

Facilities that fail to submit their surveys on time are subject to a \$200 penalty. *Our office does not want to assess penalties* and for that reason we are sending this letter to those companies our records indicate have not submitted the survey.

If you have already submitted the survey, it may not have been processed at the time this notice was computer generated. To assure the survey has been received *call 503-378-6835*.

If you have lost your survey or <u>need assistance</u> in completing the survey information, *call* the hazardous substance information hotline at 503-378-6835.

Thank you for your time.

Community Right to Know Unit

# All Location Fields MUST Contain Information Unless Otherwise Noted Or the Survey Will Be Returned

If the Individual Location Field does not apply to the substance being reported, Enter "NA" in that field.

IF THE SUBSTANCE IS STORED <u>INSIDE A BUILDING</u> USE THE FOLLOWING INSTRUCTIONS

<u>In/Out</u> Enter an I to indicate the substance is stored inside a building.

**Building** NA is not acceptable. Enter the building name, number, or any other identifier used to describe the

building, that the substance is stored in. If only one building at the site, enter "Main". EXAMPLES: Building 1, Building A, Warehouse, Fuel Shed, Equipment Shed, or Main

**Floor** Enter the floor number on which the substance is stored. If building is a single story, enter "1".

Area Enter what area of the building the substance is stored in. If no designation has been made, enter NA.

EXAMPLES: Shipping Dock, Welding Area, Framing Area, Receiving Area, or NA

**Room** Enter which room the substance is stored in.

EXAMPLES: Room 3, Parts Room, Storage Room, Tool Room, or NA

Quadrant NA is not acceptable. Enter the quadrant for the last field specified i.e, building, area or room.

OPTIONS: N, S, E, W, NE, NW, SE, SW, C (center), V (various)

Max Code Fill in the Max Code for the substance being reported. Refer to Table III in the Instruction

Booklet. This will be the maximum amount that is stored in this location.

#### IF THE SUBSTANCE IS STORED <u>OUTSIDE</u> USE THE FOLLOWING INSTRUCTIONS

<u>In/Out</u> Enter an O to indicate the substance is stored outside.

**Building** Enter the building name, number, or any other identifier used to describe the building that the

substance is stored closest to. If there are no buildings at the site, enter NA.

EXAMPLES: Building 1, Building A, Fuel Shed, or NA

Floor Leave Blank.

**Area** Enter the area where the substance is stored.

EXAMPLES: Fueling, Drum Storage, Fenced Yard, Parking Lot, or NA

Room Enter NA

**Ouadrant** NA is not acceptable. Enter the quadrant of the <u>site</u> where the substance is being stored.

**OPTIONS:** N, S, E, W, NE, NW, SE, SW, C (center), V (various)

Max Code Fill in the Max Code for the substance being reported. Refer to Table III in the Instruction

Booklet. This will be the maximum amount that is stored in this location.

#### ENTERING ACCUMULATIVE AMOUNTS THAT MEET REPORTABLE QUANTITIES

If your facility does not have a reportable quantity in a single location, but the total amount throughout the facility reaches the OSFM reportable quantity, enter "various" on the first location line in the "Building" column.

#### **EXAMPLE**

ABC Manufacturing uses motor oil at their facility. The motor oil is stored in twelve, five gallon buckets in multiple locations throughout the site, which adds up to a reportable quantity. Below is an example of how ABC Manufacturing would correctly report this motor oil on Section D of the survey. **NOTE: Floor field is left blank.** 

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Γ							
	$(\mathbf{I})$	[ Various ]		$\mathbf{N}\mathbf{A}$	I NA		[04]

- Incomplete surveys will be returned to the facility and will not be considered "received" by the Office of State Fire Marshal.
- Maximum amount codes and substance storage locations must be provided or the survey will be considered incomplete and returned to the facility.
- Facilities not submitting a completed survey by the due date will be issued a Notice of Non-compliance and Proposed Penalty Assessment Order as required by OAR 837-85-0090(2).

# **ATTENTION! IMPORTANT CHANGES!**

THERE HAVE BEEN CRITICAL CHANGES MADE THAT WILL AFFECT HOW THE 2002 HAZARDOUS SUBSTANCE INFORMATION SURVEY IS COMPLETED. CAREFULLY READ THE FOLLOWING EXPLANATION OF THESE CHANGES AND REFER TO THE INSTRUCTION BOOKLET FOR DETAILS.

- The maximum amount codes for previously reported substances have not been preprinted on the 2002 survey. The maximum amount code must be reviewed and provided for each reportable substance at the site AND for each storage location listed for the substance.
- Report each substance name only once. Identify different locations for the substance in the location fields provided.
- The storage locations for previously reported substances have not been pre-printed on the 2002 survey. Storage locations must be provided using the new format. **Detailed Instructions** are provided on the reverse side of this sheet.
- All locations containing a reportable quantity of a substance must be included in the "location" field of Section D along with the maximum amount code for that location.
- If there are more locations with reportable quantities than space allows, enter the additional locations on the **Section E Form** provided.
- If the facility does not have a reportable quantity in a single location but the accumulative amount throughout the facility reaches the OSFM reportable quantity, enter "various" on the first location line in the "Building" column.
- At least one location must be entered for each substance name reported.
- See the Instruction Booklet for additional information.
- A new box has been added to Section A and Section D that refers to the Process Safety Management (PSM) requirements of OR-OSHA. See the Instruction Booklet for additional information.
- If the facility has an e-mail address, please enter it in the space provided in Section B. If you do not have an e-mail address, please enter "NA".

# RETAIN A COPY OF THIS SURVEY FOR 3 YEARS

Due Date: November 30, 2002

2002

**Facility ID Number** 006202

# **OREGON STATE FIRE MARSHAL** HAZARDOUS SUBSTANCE INFORMATION SURVEY Cross off the old or incorrect information and type or print changes or additions in the [bracketed] areas.

SECTION A HAZARDOUS SUBSTANCE PRESENCE Check the correct box to	o the left.			
<ul> <li>☐ YES</li> <li>☐ NO</li> <li>☐ YES</li> <li>☐ NO</li> <li>☐ Were there hazardous substances present at this site in received the present at the present at this site in received the present at the present at</li></ul>	this site at or above the threshold plation 112(r) of the Clean Air Act?			riod
SECTION B DEMOGRAPHIC DATA Complete, correct or add information in the	e [bracketed] areas.			
1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES AND I	INTERMEDIATES-MFG			
2. SIC CODE 2: DEFINITION: 3. BUSINESS ACTIVITY AT THIS SITE: COAL TAR PITCH TERM				
4. DUN & BRADSTREET #: 02-773-4359		Sales .		-
5. MANAGER'S NAME: AMOS S KAMERER		1000		•
6. SEND TO ATTENTION OF: AMOS S KAMERER		Section.		
7. E-MAIL ADDRESS: KAMERERAS@KOPPERS.COM				
8. BUSINESS NAME: KOPPERS INDUSTRIES INC	9. DEPT OR DIV:			
10. SITE ADDRESS: 7540 NW ST HELENS RD  [CITY: PORTLAND]	11. MAILING ADDRESS: 7540  [ CITY: PORTLAND		ST HELENS RD	
[ COUNTY: MULTNOMAH	COUNTY: <b>MULTNOMAH</b>			Ī
STATE: OR ZIP CODE: 97210 - 3663	STATE: <b>OR</b> ZI	PCODE	: 97210-3663 [344-345-345-345-345-345-345-345-345-345-	
12. BUSINESS PHONE: 503-286-3681	13. NUMBER OF EMPLOYEES A	T THIS S		er.
				121
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE:  AMOS S KAMERER  [	15. EMERGENCY CONTACT PHO DAY 503-286-3681	NIG	HT 503-246-8045	
16.RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE	• • •	]	•	
SPECIAL FIRE DEPARTMENT INFORMATION. This section is for information the fire	e service needs to know in case of an emo	ergency.		
17. TYES NO WRITTEN EMERGENCY PLAN. IF YES, WHERE AT SITE:				_
18. $\square$ YES $\square$ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.	• •			
19. TYES NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED	ACCORDING TO NFPA 704?			
20. TYES NO ARE OTHER TYPES OF PLACARDS USED?				
	SECTION C PERSON COM	(PLETIN	G FORM	
AMOS S KAMERER KOPPERS INDUSTRIES INC	Signature required: I certify that the to the best of my knowledge. This p questions needing clarification.			,
7540 NW ST HELENS RD				
PORTLAND, OR 97210-3663	2. SIGNATURE		•	_
	3. DATE:	_ PHON	E NO:	
For office use only: R F DE //	<u>C</u>		2390	

Facility ID Number

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area. Common Name or Trade Name: ACETONE Wall Salas is Hazardous Ingredient: ACETONE 112R Amt OUT No Days Storage Code Hazard Class UN/NA EPA Pesticide Registration No: Physical Units of Avg Amt Max Amt Amt IN EHS Table VI State Measure Code Code Code Code On Site Use Table IV & V if known ☐ PSM 3.1 Use Table 1 Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits F 1 4 1-Pure 2-Mixture [ ] ][ ][ CAS No. if known 2 01 00 365 6.3 1090 67-64-1 2 00 No Longer Reportable LOCATION In/Out Building Floor Room Area Quadrant Max Code Delete Delete ] Delete E Common Name or Trade Name: ACETYLENE Hazardous Ingredient: ACETYLENE ☐ 112R Physical Units of Avg Amt Max Amt Amt IN Amt OUT No Days Storage Code Hazard Class UN/NA EPA Pesticide Registration No: EHS Use Table IV & V Table VI if known State Measure Code Code Code Code On Site PSM Use Table 1 Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits 2 2.1 L 4 ][ CAS No. if known 1-Pure [ 1001 74-86-2 6.3 3 20 00 365 No Longer Reportable LOCATION Room In/Out Building Max Code Floor Area Quadrant Delete Delete ] Delete Common Name or Trade Name: BIG ORANGE SOLVENT Hazardous Ingredient: D-LIMONENE 112R Units of Max Amt Amt OUT No Days Storage Code Hazard Class UN/NA **EPA Pesticide Registration No:** Physical Avg Amt Amt IN EHS Table VI State Measure Code Code Code Code On Site Use Table IV & V if known PSM Use Table Use Table III Use Table III Use Table III Use Table II Use Table ill 1 3.3 3 digits D CAS No. if known 2 1-Pure 2-Mixture [ ] ][ ][ 2 03 00 00 365 6.3 5989-27-5 No Longer Reportable LOCATION In/Out Building Floor Room Quadrant Max Code Area Delete Delete Delete

# 2002 OREGON STATE FIRE MARSHAL

Facility ID Number 006202

**Hazardous Substance Information Survey** SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area. Common Name or Trade Name: COAL TAR PITCH Hazardous Ingredient: PYRENE 112R Physical Units of Avg Amt Max Amt Amt IN Amt OUT No Days Storage Code Hazard Class UN/NA EPA Pesticide Registration No: EHS Table VI State Use Table IV & V Measure Code Code Code Code On Site if known PSM Use Table 1 Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits R 1 1-Pure 2-Mixture [ ] ][ CAS No. if known 1 43 53 42 365 6.4 3077 65996-93-2 No Longer Reportable LOCATION In/Out Building Floor Room Area Quadrant Max Code Delete Delete Delete Common Name or Trade Name: DIESEL #2 Hazardous Ingredient: DIESEL FUEL #2 112R Physical Units of Avg Amt Max Amt Amt IN Amt OUT No Days Storage Code Hazard Class UN/NA EPA Pesticide Registration No: EHS Table VI State Measure Code Code Code Code On Site Use Table IV & V if known PSM Use Table 1 Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits 4 1 3.3 1-Pure [ CAS No. if known 2 20 00 365 6.4 1993 68476-34-6 No Longer Reportable LOCATION In/Out Building Floor Room Area Quadrant Max Code Delete Delete Delete Ľ Common Name or Trade Name: GASOLINE Hazardous Ingredient: PETROLEUM DISTILLATES 112R **Physical** Units of Avg Amt Max Amt Amt IN Amt OUT No Days Storage Code Hazard Class UN/NA EPA Pesticide Registration No: EHS State Measure Code ·Code Code Code On Site Use Table IV & V Table VI if known PSM Use Table 1 Use Table II Use Table III Use Table III Use Table III Use Table III 3 digits N 1 3.1 2 1-Pure 2-Mixture [ ] CAS No. if known 2 02 04 04 1203 8006-61-9 365 6.4 No Longer Reportable LOCATION In/Out Building Floor Area Room Quadrant Max Code Delete Delete Delete

Facility ID Number 006202

SECTION D	Cross off the old or incorrect information ar	nd type or print changes or	additions in the [bracketed	d] area.	
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Facility ID Number 006202

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OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey
Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

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Facility ID Number 006202

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Facility ID Number 006202

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# 2002 OREGON STATE FIRE MARSHAL Additional Location Sheet

Facility ID Number 006202

SECTION E Enter the information in the [bracketed] areas.

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THIS SURVEY IS

# DUE

NO LATER THAN

November 30, 2002

REQUIRED BY BOTH FEDERAL AND STATE LAW

# WHY THE CHANGES?

The Office of State Fire Marshal's (OSFM) Community Right to Know Unit (CR2K) continually strives to reduce the impact of hazardous substance reporting on facility owners and operators, while still providing the most accurate and useful information possible for emergency planners, emergency responders and the general public. In an effort to further reduce the impact of hazardous substance reporting and increase usability of the information collected, the CR2K unit has made changes on how some items are reported.

#### E-mail Address:

This year we are putting extra emphasis on reporting the company's e-mail address. Providing the e-mail address for your facility will benefit you and our office in many ways.

#### **Benefits**

- We will be able to e-mail timely and useful information such as training opportunities, survey due date reminders, information on new federal and state regulations that may affect your facility, informational literature, technical assistance related to hazardous substances and hazardous substance reporting. This will also minimize costs, associated with sending correspondence to facilities, such as postage, envelopes and paper. In addition, it will cost less to prepare these correspondences for mailing.
- We have been working on a process that will allow facilities to report their hazardous substance information electronically. In order to implement this new process we will need current e-mail addresses for those facilities that wish to participate. This new process will present exciting opportunities for your facility and will benefit us as well. No more shuffling papers! No more paper files! Information will be available for you to electronically update and review your survey at any time, all your information will be right at your fingertips!!! In addition submitting the survey electronically will benefit your facility and our office by reducing the cost and time associated with reporting. Please help us help you by keeping us informed of any changes to your e-mail address.

### **Storage Locations:**

During the past year we have been working on a process that will make it easier for facilities, emergency responders and emergency planners to use the information we collect. This new storage location reporting format will allow the survey information to be arranged in a manner better suited to your needs. Changing the way the storage locations are reported has many advantages for you, emergency responders and emergency planners.

#### **Benefits:**

- Previously, the chemical information has been pre-printed on the survey alphabetically. This did not provide a way for facility operators to review their information according to the individual processes or layout of their facility. By having substances reported in the new format, information can be sorted by building, floor, room etc. By arranging information in this manner, you will be able to more easily conduct a walk through of your facility and inventory your hazardous substances. This will allow you to easily identify what substances have previously been reported for a specific area and help you identify what reporting changes need to be made.
- Being able to sort the hazardous substance information in this manner will enhance the ability of emergency responders to plan for and respond to an incident at your facility. They will be able to better identify what hazardous substances they may encounter, should they need to enter your facility in an emergency situation. Having this information available to emergency responders reduces response time, property damage and other costs associated with a hazardous materials incident or fire.

## **Extremely Hazardous Substance (EHS) Reporting:**

This year you are being asked to report all of the extremely hazardous substances you have that meet the federal threshold planning quantity. This is being done in order to provide better information to the Oregon Local Emergency Planning Committee (LEPC). The LEPC assists Oregon communities in preparing for and responding to a hazardous substance emergency.

#### **Benefits:**

• Providing this additional information to the LEPC will enhance their ability to identify which communities they should be conducting a "Community Response Capability Assessment" in. During this assessment the LEPC will be able to determine whether or not communities have adequate plans in place to quickly respond to and mitigate a hazardous materials incident. If deficiencies exist in a community's ability to respond, the LEPC will provide assistance and resources to help eliminate any problems. LEPC activities can enhance working relationships between industry, local government, and the general public. This in turn can decrease the impacts of a hazardous materials incident in your community and provide a higher degree of public safety.

# THE ITEMS LISTED ON THIS PAGE MUST BE ENTERED ON THE SURVEY OR IT WILL BE RETURNED.

#### SECTION A

☐ YES ☐ NO

1. Were there hazardous substances present at this site in reportable quantities during the survey period?

#### SECTIONB

- 3. BUSINESS ACTIVITY AT THIS SITE
- 5. MANAGER'S NAME
- 7. E-MAIL ADDRESS
- 8. BUSINESS NAME
- 10. SITE ADDRESS
- 11. MAILING ADDRESS
- 12. BUSINESS PHONE
- 14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE
- 15. EMERGENCY CONTACT PHONE NUMBERS, DAY AND NIGHT PHONE
- 16. RESPONSIBLE FIRE DEPARTMENT

## SECTION C

- 1. PRINT NAME
- 2. SIGNATURE

SECTION D (These must be included if you are reporting substances)

- COMMON NAME/TRADE NAME
- PHYSICAL STATE
- UNIT OF MEASURE
- MAX. AMT CODE
- AMT IN. CODE
- AMT OUT. CODE
- NUMBER OF DAYS ON SITE
- STORAGE CODE
- STORAGE LOCATION(S) AT SITE

FOR HELP COMPLETING THE SURVEY CALL THE HAZARDOUS SUBSTANCE INFORMATION HOTLINE AT 503-378-6835

DEPARTMENT OF STATE POLICE OFFICE OF STATE FIRE MARSHAL COMPANY NAME DATE 3 HAZARDOUS SUBSTANCE INFORMATION SURVEY SUBJECT 20 We appreciate your effort, however... The enclosed Hazardous Substance Information Survey is being returned because it is missing information. PLEASE REPLY PROMPTLY The due date for this information is located in the upper left hand corner of the enclosed survey. Please provide and submit the missing information by that due date. If this due date has passed, provide and submit the information immediately upon receipt of this notice to minimize compliance actions. All areas missing information have been highlighted on the survey pages to show you what needs to be completed. Please make sure ALL highlighted areas are completed or the survey will again be returned to you. To identify what information is needed in the highlighted areas, refer to the instruction packet you received with the original survey mailing. The survey tables are provided on the back of this page to assist in the completion of the survey. If you need assistance in completing the survey or have questions, please call the Hazardous Substance Information Hotline at 503-378-6835. IMPORTANT NOTICE: Failure to return the COMPLETED survey by the date indicated above, will result in the issuance of a "Notice of Non-Compliance" and possible penalty assessment. INFORMATION MISSING FROM SURVEY ✓ ☐ Are Hazardous Substances Present Are Extremely Hazardous Substances Present Section A ☐ Are 112R Substances Present Section B ☐ Business Activity ☐ Number of Employees ☐ Managers Name Emergency Assistance Contact Person ☐ Emergency Contact Phone Numbers **Business Name** Site Address Responding Fire Department **Business Phone** Special Fire Department Information Section C Signature Section D Common Name/Trade Name Amount In ☐ Ingredient In Highest Concentration Amount Out Pure or Mixture ☐ Number of Days on Site Physical State ☐ Storage Codes Hazard Classes Unit of Measure Storage Location for Nitrogen Average Amount Maximum Amount

For assistance, call the Hazardous Substance Information Hotline at 503-378-6835.

Comments

TATAL TATAL **CHEMICAL** 

## 2001 OREGON STATE FIRE MARSHAL

Facility ID Numbe.

HAZARDOUS SUBSTANCE INFORMATION SURVEY

006202

CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS

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Amos S. Kamerer

Telephone: 503-286-3681 Fax: 503-285-2831

February 22, 2002

Oregon Office of State Fire Marshall 4760 Portland Road, NE Salem, Oregon 97301-1760

Subject: Hazardous Substance Information Survey

Dear Sirs,

Attached please find a second updated survey for the accidental exclusion of one of the chemicals used at our facility. I apologize that this is the second update in one week.

If you have nay questions, I can be reached at # 503-286-3681 or via e-mail at kamereras@koppers.com.

Sincerely

Amos S. Kamerer

CC: T. Self, KII

FORM COMPANY

## RETAIN A COPY OF THIS SURVEY FOR 3 YEARS

Due Date: NOVEMBER 30, 2001

2001

UPDATE #2

Facility ID Number 006202

Koppers012079

### OREGON STATE FIRE MARSHAL

HAZARDOUS SUBSTANC CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR R	***
SECTION A HAZARDOUS SUBSTANCE PRESENCE Check	
XYES   NO 1. Were there hazardous substances present at this s	ite in reportable quantities during this survey period?
YES X NO 2. Were there Extremely Hazardous Substances (EHS quantities during this survey period?	S) present at this site that meet the threshold planning
YES X NO 3. Is this facility subject to the reporting requirement	s of Section 112(r) of the Clean Air Act?
SECTION B DEMOGRAPHIC DATA Complete, correct or add	information in the [bracketed] areas.
1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES AN	D INTERMEDIATES-MFG
2. SIC CODE 2: DEFINITION:	
3. BUSINESS ACTIVITY AT THIS SITE:  COAL TAR PITCH TERMINAL	
4. DUN & BRADSTREET #: 02-773-4359	
5. MANAGER'S NAME: AMOS S KAMERER	
5. SEND TO ATTENTION OF: AMOS S KAMERER	
T. E-MAIL ADDRESS: KAMERERASOKOPPERS.COM	
3. BUSINESS NAME: KOPPERS INDUSTRIES INC  [	9. DEPT OR DIV:  11. MAILING ADDRESS: 7540 NW ST HELENS RD  [CITY: PORTLAND  COUNTY: MULTNOMAH  STATE: OR ZIP CODE: 97210-3663  BER OF EMPLOYEES AT THIS SITE: 8  15. EMERGENCY CONTACT PHONES: DAY 503-286-3681 NIGHT 503-246-8045  [COUNTY: MULTNOMAH  STATE: OR ZIP CODE: 97210-3663  BER OF EMPLOYEES AT THIS SITE: 8  16. SITE: 15. EMERGENCY CONTACT PHONES: DAY 503-286-3681 NIGHT 503-246-8045  [COUNTY: MULTNOMAH  STATE: OR ZIP CODE: 97210-3663
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20. YES X NO ARE OTHER TYPES OF PLACARDS U	JSED?
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KOPPERS INDUSTRIES INC	A. PRINT NAME: Amos S. Kamerer
1540 NW ST HELENS RD	2. SIGNATURE (REQUIRED):
7340 NW SI HELENS KU	B. DATE: 11/16/01 PHO NO: 503-286-3681
UPDATED 2/22/02	

### 2001 OREGON STATE FIRE MARSHAL

Facility ID Numbe.

# HAZARDOUS SUBSTANCE INFORMATION SURVEY

006202

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COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT			[ ]	Nitrogen	
HAZARDOUS INGREDIENT				Nitrogen Nitrogen	
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Amos S. Kamerer Plant Manager Telephone: 503-286-3681 Fax: 503-285-2831

February 18, 2002

Oregon Office of State Fire Marshall 4760 Portland Road, NE Salem, Oregon 97301-1760

Subject: Hazardous Substance Information Survey

Dear Sirs,

Attached please find updated survey copies regarding one of the chemicals handled through our facility.

If you have any questions, I can be reached at # 503-286-3681 or via e-mail at kamereras@koppers.com.

Sincerely

CC: T. Self, KII

For office use only

## RETAIN A COPY OF THIS SURVEY FOR 3 YEARS

Dué Date: NOVEMBER 30, 2001

2001

UPDATE D.

Facility ID Number 006202

Koppers012082

### OREGON STATE FIRE MARSHAL

HAZARDOUS	SUBSTANCE	INFORMATIC	ON SURVEY	
DOR INCORRECT INFORMATI	ON AND TYPE OF PR	INT CHANGES OR ADI	DITIONS IN THE IRRACK	ETERDI AREAS

CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR P	
SECTION A HAZARDOUS SUBSTANCE PRESENCE Check	
YES NO 1. Were there hazardous substances present at this si	te in reportable quantities during this survey period?
YES 2. Were there Extremely Hazardous Substances (EHS quantities during this survey period?	S) present at this site that meet the threshold planning
YES X NO 3. Is this facility subject to the reporting requirement	s of Section 112(r) of the Clean Air Act?
SECTION B DEMOGRAPHIC DATA Complete, correct or add	information in the [bracketed] areas.
1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES AN	•
2. SIC CODE 2: DEFINITION:	
3. BUSINESS ACTIVITY AT THIS SITE: COAL TAR PITCH TERMINAL	
4. DUN & BRADSTREET #: 02-773-4359	[
5. MANAGER'S NAME: AMOS S KAMERER	[
6. SEND TO ATTENTION OF: AMOS S KAMERER	[
7. E-MAIL ADDRESS: KAMERERAS@KOPPERS.COM	[
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SI  AMOS S KAMERER  16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE  Station #22  SPECIAL FIRE DEPARTMENT INFORMATION This section is for it  17. YES NO WRITTEN EMERGENCY PLAN. IF YE  18. YES NO AUTOMATIC FIRE SUPPRESSION SY  19. YES NO ARE STORAGE BUILDINGS/TANKS/A	DAY 503-286-3681 NIGHT 503-246-8045
20. YES X NO ARE OTHER TYPES OF PLACARDS U	SED?
AMOS S KAMERER	This person will be contacted to answer any que tions needing clarification.  PRINT NAME: Amos S. Kamerer
7540 NW ST HELENS RD PORTLAND OR 97210-3663	. SIGNATURE (REQUIRED): 503-286-3681
updated 2/18/02	

DE\_\_/

Facility ID Number

Koppers012083

HAZARDOUS SUBSTANCE INFORMATION SURVEY

006202 CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR PRINT CHANGES OR ADDITIONS IN THE IBRACKETED AREAS SECTION D ACETONE COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ACETONE 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF HAZARD. CAS NO. (IF KNOWN) STORAGE CODE STATE MEASURE CODE CODE CODE DAYS ON SITE CLASSES CODE USE TABLE I. USE TABLE II USE TABLE III USE TABLE III USE TABLE III USE TABLE III USE TABLES IV & V USE TABLE VI 1 - PURE F 67-64-1 1 · MIXTURE 2 2 3.2 01 -6.3 01 01 00 365 UN/NA NO. (IF KNOWN) 100 1 - NEW 1090 REPORTABLE STORAGE LOCATIONS AT SITE LAB AT W END OF OFFICE BL DG EPA PESTICIDE REGISTRATION NO. COMMON NAME/TRADE NAME: ACETYLENE HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ACETYLENE 112(r) PHYSICAL UNIT OF AMT. IN AVG. AMT. MAX. AMT. AMT. OUT NUMBER OF HAZARD STORAGE CODE CAS NO. (IF KNOWN): CLASSES MEASURE STATE MEASURE CODE CODE CODE USE TABLE III USE TABLE III USE TABLE III USE TABLE III USE TABLE IIII USE TABLE III US DAYS ON SITE 3 DIGIT NO. USE TABLES IV & V USE TABLE VI I. PIRE 1 2 74-86-2 2 - MIXTURE 3 3 20 00 365 2.1 6.3 11 11 UN/NA NO. (IF KNOWN) 1 - NEW [ 10] 10 2 - NO LONGER 1001 REPORTABLE STORAGE LOCATIONS AT SITE IN & AROUND THE MAINT SHOP I N REAR OF BLDG & IN THE CENTER OF THE PLANT NE EPA PESTICIDE REGISTRATION NO. TO CONTROL ROOM 2 CYLINDERS ON 2 PORTABLE CARTS IN FRONT OF SHOP COMMON NAME/TRADE NAME: BIG ORANGE SOLVENT HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: D-LIMONENE 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF HAZARD CAS NO. (IF KNOWN) EHS STORAGE CODE STATE MEASURE CODE CODE CODE USE TABLE II USE TABLE III DAYS ON SIT CLASSES USE TABLES IV & V 3 DIGIT NO. USE TABLE VI 1 - PURE 2 D 5989-27-5 1 2 - MIXTURE 2 04 04 04 00 3.3 6.3 365 UN/NA NO. (IF KNOWN) 1 - NEW 03] [ 00 ]03 NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE OIL HOUSE IN MAINT BLDG IN THE OIL GAS & DIESEL STORAGE SHED NEXT TO TRA EPA PESTICIDE REGISTRATION NO CK #5 & BETWEEN THE OFFICE & THE EMPLOYEE SERVICE BLDG In a drum at the oil, gas and diesel storage shed, behind the office next to track #5. COMMON NAME/TRADE NAME: COAL TAR PITCH HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PYRENE 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF HAZARD CAS NO. (IF KNOWN) STORAGE CODE STATE MEASURE CODE CODE CODE DAYS ON SITE CLASSES CODE USE TABLE I USE TABLE II USE TABLE III USE TABLE III USE TABLE III USE TABLE II USE TABLES IV & V USE TABLE VI 1 - PURE 65996-93-2 R - 1 2 - MIXTURE 1 1 4.5 40 60 60 60 365 6.4 UN/NA NO. (IF KNOWN **43**1 L 53 1 1 - NEW 53 42 NO LONGER 3077 REPORTABLE STORAGE LOCATIONS AT SITE PITCH STURAGE BLDGS EPA PESTICIDE REGISTRATION NO.

FORM CHEMICAL

# 2001 OREGON STATE FIRE MARSHAL POATED

Facility ID Numbe:

HAZARDOUS SUBSTANCE INFORMATION SURVEY

006202

Koppers012084

CROSS OFF THE OLD OR INCO	DRRECT INFORMA	TION AN	D TYPE (	OR PRINT CH	ANGES OR ADDITION	ONS IN THE [BRA	CKETED] AREAS
SECTION D COMMON NAME/TRADE NAME:	COAL TAR	РІТСН					
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	PYRENE				ſ		
EHS 112(r) PHYSICAL UNIT OF A	CODE CODE	CODE	AMT. OUT	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
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STORAGE LOCATIONS AT SITE IN # 200	TANK FARM	TANKS	#65	#68 8			EPA PESTICIDE REGISTRATION NO.
<u>[</u>							[ ]
COMMON NAME/TRADE NAME:	DIESEL #2		<u></u>	******************************	[		
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	PETROLEUM	DIST	ILLAT	ES			]
EHS 112(r) PHYSICAL UNIT OF A	CODE CODE	CODE	CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
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	•	HE OI	L GAS	S & DI	FICE & THE	EMPLOYEE	EPA PESTICIDE REGISTRATION NO.
In plastic drums in the							[
lnext to track #5.	GASOLINE				F -	<u>'</u>	
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT N HIGHEST CONCENTRATION:	PETROLEUM	חזפד ו	71117	TC C	<b>6</b> .74	89698 (0.000888)   U. M. 60 19498 - 	
EHS 112(r) PHYSICAL UNIT OF A STATE MEASURE	•	AMT. IN CODE	AMT. OUT		STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
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		I OFFI	CE &	EMPLO	CLOSED DOO	RS SE END	EPA PESTICIDE REGISTRATION NO.
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COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	HEAVY CRE	:0S01E	: VIST	IILLATE			
EHS PHYSICAL UNIT OF STATE MEASURE		AMT, IN CODE	AMT. OUT	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
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	THE TANK I						EPA PESTICIDE REGISTRATION NO.
•						1	

# KOPPERS INDUSTRIES

FAX TRANSMITTAL

7540 N.W. Saint Helens Rd. Portland, Oregon 97210-3663 Phone: (503) 286-3681 Fax: (503) 285-2831

Web Page: www.koppers.com

TO: / Self	DATE: ///6/6/
FROM: Amos	TOTAL # OF PAGES: 7
The Arrached for your files "Oregon's treath forms"	
"Oregon's treat I forms"	

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831

# RETAIN A COPY OF THIS SURVEY FOR 3 YEARS

Due Date: NOVEMBER 30, 2001

2001

Facility ID Number 006202

### OREGON STATE FIRE MARSHAL

CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OF	
SECTION A HAZARDOUS SUBSTANCE PRESENCE Che YES NO 1. Were there hazardous substances present at this	
YES X NO 2. Were there Extremely Hazardous Substances (E. quantities during this survey period?	·
YES $X$ NO 3. Is this facility subject to the reporting requireme	nts of Section 112(r) of the Clean Air Act?
SECTION B DEMOGRAPHIC DATA Complete, correct or a	dd information in the bracketed areas.
1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES A	<i>:</i>
2. SIC CODE 2: DEFINITION:	
3. BUSINESS ACTIVITY AT THIS SITE: COAL TAR PITCH TERMINAL	]
4. DUN & BRADSTREET #: 02-773-4359	
5. MANAGER'S NAME: AMOS S KAMERER	
5. SEND TO ATTENTION OF: AMOS S KAMERER	
7. E-MAIL ADDRESS: KAMERERAS@KOPPERS.COM	[
8. BUSINESS NAME: KOPPERS INDUSTRIES INC  [	DAY 503-286-3681 NIGHT 503-246-8045 [( ) ] [( ) ]
SPECIAL FIRE DEPARTMENT INFORMATION This section is for	or information the fire service needs to know in case of an emergency.
18. YES X NO AUTOMATIC FIRE SUPPRESSION	YES. WHERE AT SITE: Office and Control Room SYSTEM PRESENT; e.g., sprinklered, halon system. etc. S/AREAS PLACARDED ACCORDING TO NFPA 704? SUSED?
AMOS S KAMERER KOPPERS INDUSTRIES INC	This person will be contacted to answer any que tions needing clarification.  PRINT NAME: Amos S. Kamerer
7540 NW ST HELENS RD PORTLAND OR 97210-3663	2. SIGNATURE (REQUIRED):  3. DATE: ///6/6/ PHONE NO: 503-286-3681

For office use only R\_\_\_\_F\_\_DE\_\_/\_C

Koppers012086 ----

Facility ID Number

Koppers012087

HAZARDOUS SUBSTANCE INFORMATION SURVEY

006202 CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR PRINT CHANGES OR ADDITIONS IN THE (BRACKETED) AREAS SECTION D COMMON NAME/TRADE NAME: ACETONE HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ACETONE PHYSICAL UNIT OF AMT, IN JAMT, OUT | NUMBER OF HAZARD AVG. AMT. MAX. AMT. CAS NO. (IF KNOWN) STORAGE CODE STATE MEASURE
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FORM CHEMICAL

#### 2001 OREGON STATE FIRE MARSHAL

Facility ID Numbe:

HAZARDOUS SUBSTANCE INFORMATION SURVEY

006202

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STORAGE LOCATIONS AT SITE IN PLASTIC DRUMS JUST IN FRO  NT OF MAINT SHOP OUTSIDE & IN THE OIL GAS & DIE ESEL STORAGE SHED NEXT TO TRACK 5 & BETWN THE OFFICE & THE EMPLOYEE  [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage shed, behind the office ] [In plastic drums in the oil, gas and diesel storage she	2 - NO LONGER		2004
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YEE SEVC BLDG ROOM IN MAINT SHOP IN LOCKERS WITH CLOSED DOORS SE END    COMMON NAME/TRADE NAME: HEAVY CREOSOTE DISTILLATE	COMMON NAME/TRADE NAME: GASOLINE  LAZARDOUS INGREDIENT  N HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  EHS 112(r) PYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III USE	STORAGE CODE HAZARD CLASSES USE TABLES IV & V N 1 4	CAS NO. (IF KNOWN)  8006-61-9  UN/NA NO. (IF KNOWN)
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STORAGE LOCATIONS AT SITE IN THE TANK FARM IN TANKS #1 [ ] [ ] [ ] 7 #33 #67 & #102 OR POSSIBLY IN A RAIL CAR ON EPA PESTICIDE REGISTRATION NO.	DOMMON NAME/TRADE NAME:  GASOLINE  HAZARDOUS INGREDIENT  N HIGHEST CONCENTRATION:  PETROLEUM DISTILLATES  PETROLEUM DISTILLATES  India in the property of the	STORAGE CODE CLASSES  USE TABLES IV & V USE TABLE VI  F 1 4 3.1 6.  [ ] [ ] [ ] [ ] [ ]  H CLOSED DOORS SE EN  STORAGE CODE CLASSES  USE TABLES IV & V USE TABLE VI  A 1 5	CAS NO. (IF KNOWN)  8006-61-9  UN/NA NO. (IF KNOWN)  1203  EPA PESTICIDE REGISTRATION NO.  CAS NO. (IF KNOWN)  65996-92-1
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	TOMMON NAME/TRADE NAME:  GASOLINE  HAZARDOUS INGREDIENT  IN HIGHEST CONCENTRATION:  PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMIT. MAX. AMIT. AMIT. IN AMIT. OUT NUMBER OF CODE CODE CODE CODE DAYS ON SITE  USE TABLE II USE TABLE III USE	STORAGE CODE CLASSES  USE TABLES IV & V N 1 4 F 1 4 3.1 6.  [ ] [ ] [ ] [ ]  CLOSED DOORS SE EN  STORAGE CODE CLASSES  USE TABLES IV & V A 1 5 Q 1 5 4.5 6.	CAS NO. (IF KNOWN)  8006-61-9  UN/NA NO. (IF KNOWN)  1203  EPA PESTICIDE REGISTRATION NO.  CAS NO. (IF KNOWN)  65996-92-1  UN/NA NO. (IF KNOWN)
Koppers012088	TOMMON NAME/TRADE NAME:  GASOLINE  HAZARDOUS INGREDIENT  IN HIGHEST CONCENTRATION:  PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMIT. MAX. AMIT. AMIT. IN AMIT. OUT NUMBER OF CODE CODE CODE CODE DAYS ON SITE  USE TABLE II USE TABLE III USE	STORAGE CODE CLASSES  USE TABLES IV & V N 1 4 F 1 4 3.1 6.  [ ] [ ] [ ] [ ]  CLOSED DOORS SE EN  STORAGE CODE CLASSES  USE TABLES IV & V A 1 5 Q 1 5 4.5 6.	CAS NO. (IF KNOWN)  8006-61-9  UN/NA NO. (IF KNOWN)  1203  EPA PESTICIDE REGISTRATION NO.  CAS NO. (IF KNOWN)  65996-92-1  UN/NA NO. (IF KNOWN)  3082
: ::	TOMMON NAME/TRADE NAME:  GASOLINE  HAZARDOUS INGREDIENT  N HIGHEST CONCENTRATION:  PETROLEUM DISTILLATES  FIRS 112(rr) PHYSICAL UNIT OF AVG. AMIT. MAX. AMIT. AMIT. IN AMIT. OUT NUMBER OF CODE CODE CODE CODE DAYS ON SITE COME CODE CODE CODE CODE DAYS ON SITE COME CODE CODE CODE CODE CODE CODE CODE COD	STORAGE CODE CLASSES  USE TABLES IV & V N 1 4 F 1 4 3.1 6.  [ ] [ ] [ ] [ ]  CLOSED DOORS SE EN  STORAGE CODE CLASSES  USE TABLES IV & V A 1 5 Q 1 5 4.5 6.	CAS NO. (IF KNOWN)  8006-61-9  UN/NA NO. (IF KNOWN)  1203  EPA PESTICIDE REGISTRATION NO.  CAS NO. (IF KNOWN)  65996-92-1  UN/NA NO. (IF KNOWN)  3082

## 2001 OREGON STATE FIRE MARSHAL

Facility ID Number

HAZARDOUS SUBSTANCE INFORMATION SURVEY 006202
CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS

					********	onoooppooonooo <del>n</del>
SECTION D COMMON NAME/TRADE NAME:	MOTÒR OIL	-				J
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	PETROLEUM	HYDRO	CARBONS	. [		
EHS 112(r) PHYSICAL UNIT OF A	AVG. AMT. MAX. AMT.	AMT. IN A	MT. OUT NUMBER OF	STORAGE CODE	HAZARD	CAS NO. (IF KNOWN)
STATE MEASURE USE TABLE I USE TABLE II U	CODE CODE USE TABLE III USE TABLE III U		CODE DAYS ON SITE SE TABLE III 3 DIGIT NO.	USE TABLES IV & V	CLASSES USE TABLE VI	
Z 1 · PURE 2 · MIXTURE 2 · MIXTURE 2 · MIXTURE	04 04	04	00 365	D 1 4	4.5 6.4	[ [ ]
1 - NEW 2 - NO LONGER						UN/NA NO. (IF KNOWN)
	OIL STORAGE					1270
SHOP S END OF BLDG 1 E SHED NEXT TO TRACK			SEL STORAG L E OFFICE & T	HE EMPLOYER	SERVICE	EPA PESTICIDE REGISTRATION NO.
· [	, Service	-,,	. 0,,,20= 0 1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	]	f a
						<u>t</u>
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT	OXYGEN		•	(		
IN HIGHEST CONCENTRATION:	OXYGEN					
STATE MEASURE	AVG. AMT. MAX. AMT.  CODE CODE  USE TABLE III USE TABLE III U	CODE	MT. OUT NUMBER OF CODE DAYS ON SITE SETABLE III 3 DIGIT NO.	STORAGE CODE	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE 2 - MIXTURE				L 2 4		7782-44-7
3 3 1 1 NEW		20 [ ] [	00   365		2.2 5.1	UN/NA NO. (IF KNOWN)
2 · NO LONGER REPORTABLE STOPAGE LOCATIONS AT SITE	CYLINDERS OF	N 2 CA	ARTS THE RE			1072
AR OF MAINT SHOP IN &			ARTS IN RE NT SHOP IN			EPA PESTICIDE
THE CENTER OF THE PL	ANT NEXT TO	O THE	CONTROL ROO	М		REGISTRATION NO.
Brossessessessessessessessessessessessesse						
L		0.0150000000000000000000000000000000000				
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT	PERCHLORO	ETHYLE	NE	[	J	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	PERCHLORON PERCHLORON			[ [	J	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF A MEASURE	PERCHLORO	AMT. IN A	ENE  AMT. OUT NUMBER OF CODE DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE VISE TABLE I USE TABLE II USE TA	PERCHLORO	AMT. IN A CODE	AMT. OUT NUMBER OF CODE DAYS ON SITE SETABLE III 3 DIGIT NO.	STORAGE CODE  USE TABLES IV & V D 1 4	CLASSES USE TABLE VI	CAS NO. (IF KNOWN) 127-18-4
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE II U	PERCHLOROS  AVG. AMT. MAX. AMT.  CODE CODE  USE TABLE III USE TABLE III U  0 1 0 1	AMT. IN A CODE SE TABLE III US	ENE MIT. OUT NUMBER OF CODE DAYS ON SITE SE TABLE III 3 DIGIT NO.  00 365	USE TABLES IV & V	CLASSES	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF MEASURE MEASURE 2 MIXTURE 2 USE TABLE I USE TABLE	PERCHLORO  AVG. AMT. MAX. AMT.  CODE CODE  SEE TABLE III USE TABLE III U  01 01	ETHYLE AMT. IN A CODE SE TABLE III US 0 2 [OO]	ENE  MIT. OUT NUMBER OF DAYS ON SITE SE TABLE III 3 DIGIT NO.  00 365	USE TABLES IV & V D 1 4	CLASSES USE TABLE VI	127-18-4
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF MEASURE MEASURE 2 MIXTURE 2 USE TABLE I USE TABLE	PERCHLOROR  AVG. AMT. MAX. AMT.  CODE CODE  01 01  METAL DRUM	ETHYLE  AMT IN A CODE  O 2  [OO ]  OUTSI	ENE  MIT. OUT NUMBER OF DAYS ON SITE SE TABLE III 3 DIGIT NO.  00 365	USE TABLES IV & V	CLASSES USE TABLE VI	127 - 18 - 4 [ ] Un/na no. (IF known) 1897
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE 2 MEASURE USE TABLE I USE TABLE II USE TABLE	PERCHLOROR  AVG. AMT. MAX. AMT.  CODE CODE  01 01  METAL DRUM	ETHYLE  AMT IN A CODE  O 2  [OO ]  OUTSI	ENE  MIT. OUT NUMBER OF DAYS ON SITE SE TABLE III 3 DIGIT NO.  00 365	USE TABLES IV & V D 1 4	CLASSES USE TABLE VI	127-18-4 [] Un/na no. (IF known)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE 2 MEASURE USE TABLE I USE TABLE II USE TABLE	PERCHLOROR  AVG. AMT. MAX. AMT.  CODE CODE  01 01  METAL DRUM	ETHYLE  AMT IN A CODE  O 2  [OO ]  OUTSI	ENE  MIT. OUT NUMBER OF DAYS ON SITE SE TABLE III 3 DIGIT NO.  00 365	USE TABLES IV & V D 1 4	CLASSES USE TABLE VI	127 - 18 - 4 [ ] Un/na no. (IF known) 1897
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE MEASURE WESTABLE! USE TABLE! US	PERCHLOROR  AVG. AMT. MAX. AMT. CODE CODE  O1 01  METAL DRUM TILES IN THE	ETHYLE  AMT. IN A CODE  02 [OO ]  OUTS1  E LAB	ENE  AMT. OUT NUMBER OF DAYS ON SITE SETABLE III 3 DIGIT NO.  00 365  IDE WEND	USE TABLES IV & V D 1 4  [ ] [ ] [ ]	CLASSES USE TABLE VI	127 - 18 - 4 [ ] Un/na no. (IF known) 1897
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	PERCHLORON AVG. AMT. MAX. AMT. CODE CODE USE TABLE III USE TABLE III U  O1 O1  METAL DRUM TILES IN THE	ETHYLE  AMT. IN A CODE  O2  OO  OUT S1  E LAB	ENE  MMT. OUT NUMBER OF CODE DAYS ON SITE SETABLE III 3 DIGIT NO.  00 365  IDE W END  ESS OIL, CAL	USE TABLES IV & V D 1 4  [ ] [ ] [ ]	CLASSES USE TABLE VI	127 - 18 - 4 [ ] Un/na no. (IF known) 1897
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	PERCHLOROR  AVG. AMT. MAX. AMT. CODE CODE  SETABLE III USE TABLE III U  O1 01  METAL DRUM  TLES IN THE  PETROLEUM  PETROLEUM  AVG. AMT. MAX. AMT.	AMT. IN A CODE SETABLE III US O2 [OO] OUTS1 E LAB  PROCE	ENE  MMT. OUT NUMBER OF CODE DAYS ON SITE SETABLE III 3 DIGIT NO.  00 365  IDE W END  ESS OIL, CAL	USE TABLES IV & V D 1 4  [][][][]  [][] ORIA HT [	CLASSES USE TABLE VI	127-18-4  [
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	PERCHLOROR  AVG. AMT. MAX. AMT. CODE CODE  SE TABLE III USE TABLE III U  O1 01  METAL DRUM TILES IN THE  PETROLEUM  PETROLEUM	ETHYLE  AMT. IN A CODE SE TABLE UITUE  O 2 [OO ] [ OUT S1 E LAB  PROCE  DISTI AMT. IN A CODE	ENE  MMT. OUT NUMBER OF CODE DAYS ON SITE 3 DIGIT NO.  00 365  IDE W END  ESS OIL, CAL  LLATES  MMT. OUT NUMBER OF CODE DAYS ON SITE	USE TABLES IV & V D 1 4  [] [] []  ORIA HT [  STORAGE CODE  USE TABLES IV & V	GLASSES USE TABLE VI  9.0 [ ][ ]	127 - 18 - 4 [ ] Un/na no. (IF known) 1897
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	PERCHLOROR  AVG. AMT. MAX. AMT. CODE  SE TABLE III USE TABLE III U  O1 O1  METAL DRUM  TLES IN THE  PETROLEUM  AVG. AMT. MAX. AMT. CODE  CODE  CODE  CODE  CODE	ETHYLE  AMT. IN A CODE SE TABLE UITUE  O 2 [OO ] [ OUT S1 E LAB  PROCE  DISTI AMT. IN A CODE	ENE  MMT. OUT NUMBER OF CODE DAYS ON SITE 3 DIGIT NO.  00 365  IDE W END  ESS OIL, CAL  LLATES  MMT. OUT NUMBER OF CODE DAYS ON SITE	USE TABLES IV & V D 1 4  [ ] [ ] [ ]  ORIA HT [	GLASSES USE TABLE VI  9.0  HAZARD CLASSES	127-18-4  [
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II USE TABLE II IL  Z 1 PURE 2 Z  1 NEW 2 NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE IN  OF LAB & IN GLASS BOTE  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE 1 USE TABLE II USE TABLE	PERCHLOROR  AVG. AMT. MAX. AMT. CODE CODE  SE TABLE III USE TABLE III U  O1 O1  METAL DRUM  TLES IN THE  PETROLEUM  AVG. AMT. MAX. AMT. CODE CODE  JSE TABLE III USE TABLE III U  20 20	AMT. IN A CODE INCOME IN CODE	ENE  MAT. OUT NUMBER OF CODE DAYS ON SITE SETABLE III 3 DIGIT NO.  3 65  IDE W END  ESS OIL, CAL  ILLATES  MAT. OUT NUMBER OF CODE DAYS ON SITE SETABLE III 3 DIGIT NO.	USE TABLES IV & V D 1 4  [] [] []  ORIA HT [  STORAGE CODE  USE TABLES IV & V	CLASSES USE TABLE VI  9.0  HAZARD CLASSES USE TABLE VI	127-18-4  [
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	PERCHLOROR  AVG. AMT. MAX. AMT. CODE CODE  SETABLE III USE TABLE III U  O1 01  METAL DRUM TLES IN THE  PETROLEUM  PETROLEUM  AVG. AMT. MAX. AMT. CODE CODE  SETABLE III USE TABLE III U  20 20  [21] [21]  ABOVEGROUN	AMT. IN A CODE  AMT. IN A CODE  PROCE  DISTI  AMT. IN A CODE  SE TABLE HILE  10  21  D EXPA	ENE  MMT. OUT NUMBER OF CODE DAYS ON SITE 3 DIGIT NO.  00 365  IDE W END  ESS 01L, CAL  ILLATES  MMT. OUT NUMBER OF CODE DAYS ON SITE 3 DIGIT NO.  00 365  ANSION TAN	USE TABLES IV & V D 1 4  [] [] []  ORIA HT [  STORAGE CODE  USE TABLES IV & V	CLASSES USE TABLE VI  9.0  HAZARD CLASSES USE TABLE VI	127-18-4  [
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:    EHS	PERCHLOROR  AVG. AMT. MAX. AMT. CODE CODE  SETABLE III CSE TABLE III U  O1 01  METAL DRUM TLES IN THE  PETROLEUM  AVG. AMT. MAX. AMT. CODE CODE  SETABLE III CSE TABLE III U  20 20  [21] [21]  ABOVEGROUN THE OIL G	AMT. IN A CODE SE TABLE III US  OUTSIE LAB  PROCE  DISTI  AMT. IN A CODE  SE TABLE III US  10  [21] [	ENE  MMT. OUT NUMBER OF CODE DAYS ON SITE SETABLE III 3 DIGIT NO.  3 6 5  IDE W END  ESS OIL, CAL  LLATES  MMT. OUT NUMBER OF CODE DAYS ON SITE SETABLE III 3 DIGIT NO.  0 3 6 5  ANSION TAN DIESEL STO	USE TABLES IV & V D 1 4  [ ] [ ] [ ]  [ ] [ ]  STORAGE CODE  USE TABLES IV & V A 1 5	CLASSES USE TABLE VI  9.0  [	127-18-4  [
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	PERCHLOROR  AVG. AMT. MAX. AMT. CODE CODE  SETABLE III CSE TABLE III U  O1 01  METAL DRUM TLES IN THE  PETROLEUM  AVG. AMT. MAX. AMT. CODE CODE  SETABLE III CSE TABLE III U  20 20  [21] [21]  ABOVEGROUN THE OIL G	AMT. IN A CODE SE TABLE III US  OUTSIE LAB  PROCE  DISTI  AMT. IN A CODE  SE TABLE III US  10  [21] [	ENE  MMT. OUT NUMBER OF CODE DAYS ON SITE SETABLE III 3 DIGIT NO.  3 6 5  IDE W END  ESS OIL, CAL  LLATES  MMT. OUT NUMBER OF CODE DAYS ON SITE SETABLE III 3 DIGIT NO.  0 3 6 5  ANSION TAN DIESEL STO	USE TABLES IV & V D 1 4  [ ] [ ] [ ]  [ ] [ ]  STORAGE CODE  USE TABLES IV & V A 1 5	CLASSES USE TABLE VI  9.0  [	127-18-4  [
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:    EHS	PERCHLOROR  AVG. AMT. MAX. AMT. CODE CODE  SETABLE III CSE TABLE III U  O1 01  METAL DRUM TLES IN THE  PETROLEUM  AVG. AMT. MAX. AMT. CODE CODE  SETABLE III CSE TABLE III U  20 20  [21] [21]  ABOVEGROUN THE OIL G	AMT. IN A CODE SE TABLE III US  OUTSIE LAB  PROCE  DISTI  AMT. IN A CODE  SE TABLE III US  10  [21] [	ENE  MMT. OUT NUMBER OF CODE DAYS ON SITE SETABLE III 3 DIGIT NO.  3 6 5  IDE W END  ESS OIL, CAL  LLATES  MMT. OUT NUMBER OF CODE DAYS ON SITE SETABLE III 3 DIGIT NO.  0 3 6 5  ANSION TAN DIESEL STO	USE TABLES IV & V D 1 4  [ ] [ ] [ ]  [ ] [ ]  STORAGE CODE  USE TABLES IV & V A 1 5	CLASSES USE TABLE VI  9.0  HAZARD CLASSES USE TABLE VI  4.5	127-18-4  [

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#### 2001 OREGON STATE FIRE MARSHAL

Facility ID Number

Koppers012090------

HAZARDOUS SUBSTANCE INFORMATION SURVEY

CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS

SECTION D

IMON NAME/TRADE NAME:

PROPANE

ARDOUS INGREDIENT

HAZARIKU SINKERENTENT	PROPANE					L		
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	PROPANE					<b>I</b>		
	AVG. AMT. MAX. AMT. CODE CODE	AMT. IN A		BER OF ON SITE	STORAGE CODE	<b>1</b> 2000000	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I USE TABLE II  2 · MIXTURE	USE TABLE III USE TABLE III	USE TABLE III U	.	IGIT NO.	L 2	6	USE TABLE VI	74-98-6
3 2	04 04	20	00 3	365			2.1 6.3	
1 - NEW 2 - NO LONGER				]				UN/NA NO. (IF KNOWN)
			MAINT E					
G IN FORK LIFTS IN S TRACK #5 LOADNG STA	AME AREA 8				BACK OF	CONT	TONI PONM	EPA PESTICIDE REGISTRATION NO.
TRACK #3 EUADNG STA	IIUN G SIUF	CAGL C	ANISILK	3 AI	BACK OF V	CON	I KUL KUUM	NEGOTIAL PROPERTY.
				-			]	
COMMON NAME/TRADE NAME:	QUINOLINE	REFI	NED			[		
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	QUINOLINE	=				<b>F</b>		ī
EHS 112(t) PHYSICAL UNIT OF	AVG. AMT. MAX. AMT.	AMT. IN		BEROF	STORAGE CODE	<b>L</b> 2000000	HAZARD	CAS NO. (IF KNOWN)
STATE MEASURE USE TABLE I USE TABLE II	CODE . CODE USE TABLE III USE TABLE III	CODE USE TABLE III U		ON SITE	USE TABLES IV & V	,	CLASSES USE TABLE VI	91-22-5
2 2-MIXTURE 2 2	02 02	03	00 3	365	F 1.4	4	8.0	[ ]
1 · NEW 2 · NO LONGER		[ 02 ]	[ 00 ]	]				UN/NA NO. (IF KNOWN)
REPORTABLE	REAR OF LA	RIN	SAMPLE E	200				1760
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COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT	SODIUM HY	/DROXI1	DE					
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	SODIUM HY SODIUM HY					[		
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS PHYSICAL UNIT OF STATE MEASURE	SODIUM HY  AVG. AMT. MAX. AMT.  CODE CODE	AMIT. IN CODE	DE AMT. OUT NUM CODE DAYS	IBER OF	STORAGE CODE	[	HAZARD CLASSES	CAS NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS PHYSICAL UNIT OF STATE MEASURE USE TABLE II USE TABLE II	SODIUM HY	AMIT. IN CODE	DE AMT. OUT NUM CODE DAYS		USE TABLES IV & V	4		CAS NO. (IF KNOWN) 1310-73-2
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II  1 - PURE USE TABLE II 2 - MEATURE 1 1 1	SODIUM HY  AVG. AMT. MAX. AMT. CODE CODE USE TABLE III  11 11	AMT. IN CODE USE TABLE HILL	DE AMT. OUT NUM CODE DAYS USE TABLE III 3 DI	ON SITE IGIT NO.	USE TABLES IV & V		CLASSES USE TABLE VI  8.0 6.3	1310-73-2
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE II  1 - PURE 2 - MIXTURE 1 1 1 - NEW 2 - NO LONGER 2 - NO LONGER	SODIUM HY  AVG. AMT. MAX. AMT. CODE CODE USE TABLE III  11 11	AMT. IN CODE USE TABLE HILL	DE AMT. OUT NUM CODE DAYS USE TABLE III 3 DI	ON SITE IGIT NO.	USE TABLES IV & V		CLASSES USE TABLE VI	1310-73-2 [] UN/NA NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE II  1 NEW 1 NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE IN	SODIUM HY  AVG. AMT. MAX. AMT. CODE CODE USE TABLE III  11 11	ANT. IN CODE USE TABLE HILL 20	DE AMT. OUT NUM CODE DAYS JSE TABLE III 3 DI 0 0	ON SITE	USE TABLES IV & V		CLASSES USE TABLE VI  8.0 6.3	1310-73-2
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE II  1 · NEW 1 · NEW 2 · NO LONGER REPORTABLE	SODIUM HY  AVG. AMT. MAX. AMT. CODE CODE USE TABLE III  11 11  [ ] 11	ANT. IN CODE USE TABLE HILL 20	DE AMT. OUT NUM CODE DAYS JSE TABLE III 3 DI 0 0	ON SITE IGIT NO.	USE TABLES IV & V		CLASSES USE TABLE VI  8.0 6.3	1310-73-2 [ ] UN/NA NO. (IF KNOWN) 1823
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE II  1 NEW 1 NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE IN	SODIUM HY  AVG. AMT. MAX. AMT. CODE CODE USE TABLE III  11 11  [ ] 11	ANT. IN CODE USE TABLE HILL 20	DE AMT. OUT NUM CODE DAYS JSE TABLE III 3 DI 0 0	ON SITE IGIT NO.	USE TABLES IV & V		CLASSES USE TABLE VI  8.0 6.3	1310-73-2 [ ] UN/NA NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE II  1 NEW 1 NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE IN	SODIUM HY  AVG. AMT. MAX. AMT. CODE CODE USE TABLE III  11 11  [ ] 11	ANT. IN CODE USE TABLE HILL 20	DE AMT. OUT NUM CODE DAYS JSE TABLE III 3 DI 0 0	ON SITE IGIT NO.	USE TABLES IV & V		CLASSES USE TABLE VI  8.0 6.3	1310-73-2 [ ] UN/NA NO. (IF KNOWN) 1823
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II USE TABLE II  1 - PURE 1	SODIUM HY AVG. AMT. MAX. AMT. CODE USE TABLE III USE TABLE III  11 11  BOILER ROC	AMT. IN CODE USE TABLE HILL 20 DM E E	DE AMT. OUT NUM CODE DAYS. USE TABLE III 3 DI OO	ON SITE IGIT NO.	USE TABLES IV & V		CLASSES USE TABLE VI  8.0 6.3	1310-73-2 [ ] UN/NA NO. (IF KNOWN) 1823
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	SODIUM HY  AVG. AMT. MAX. AMT. CODE USE TABLE III USE TABLE III  11 11  BOILER ROC  SODIUM SU	AMT. IN CODE USE TABLE III U 20 DM E EI	DE AMT. OUT NUM CODE DAYS. USE TABLE III 3 DI OO	ON SITE IGIT NO.	USE TABLES IV & V		CLASSES USE TABLE VI  8.0 6.3	1310-73-2 [ ] UN/NA NO. (IF KNOWN) 1823
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	SODIUM HY  AVG. AMT. MAX. AMT. CODE USE TABLE III  11 11  BOILER ROC  SODIUM SU  SODIUM SU	AMT. IN CODE USE TABLE HILL 20 DM E EI	DE AMT. OUT NUM CODE DAYS. USE TABLE III 3 DI OO	ON SITE IGIT NO.  365  HE	USE TABLES IV & V		CLASSES USE TABLE VI  8.0 6.3	1310-73-2  [UN/NA NO. (IF KNOWN)  1823  EPA PESTICIDE REGISTRATION NO.
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II USE TABLE II  1 - PURE USE TABLE II USE TABLE II  1 - NEW 1 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE IN  BOILER HOUSE BLOG  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE	SODIUM HY  AVG. AMT. MAX. AMT. CODE  USE TABLE III USE TABLE III  11 11  BOILER ROC  SODIUM SU  SODIUM SU  AVG. AMT. MAX. AMT. CODE CODE	AMT. IN CODE  AMT. IN CODE  LSE TABLE III U  20  AMT. IN CODE	DE  AMT. OUT NUM CODE DAYS SETABLE III 3 DI  OO 3  ND IN TH	ON SITE IGIT NO.  365  HE  GBER OF SON SITE	USE TABLES IV & V I I I  [ ] [ ] [ ]  .	[	CLASSES USE TABLE VI  8.0 6.3  HAZARD ULASSES	1310-73-2 [ ] UN/NA NO. (IF KNOWN) 1823
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HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE. USE TABLE II  1 - PURE 1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE IN BOILER HOUSE BLDG  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II  1 - PURE 1 - PURE USE TABLE II  1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE IN	SODIUM HY  AVG. AMT. MAX. AMT. CODE  USE TABLE III USE TABLE III  11 11  BOILER ROC  SODIUM SU  SODIUM SU  AVG. AMT. MAX. AMT. CODE USE TABLE III USE TABLE III	AMT. IN CODE USE TABLE III U 20 III III III III III III III III III	DE  AMT. OUT NUM CODE DAYS. SE TABLE III 3 DI  OO 3  [ ] [ ]  ND IN TH  AMT. OUT NUM CODE DAYS. USE TABLE III 3 DI  OO 3  [ ] [ ]	ON SITE IGIT NO.  365  HE BER OF CON SITE IGIT NO.  365	USE TABLES IV & V  I  I  STORAGE CODE  USE TABLES IV & V		CLASSES USE TABLE VI  8.0 6.3  HAZARD CLASSES USE TABLE VI	1310-73-2 [
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**FORM CHEMICAL** 

### 2001 OREGON STATE FIRE MARSHAL

Facility ID Number

HAZARDOUS SUBSTANCE INFORMATION SURVEY 006202
CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS

Choos off The obb of IN	SOUTHER THE CHAPTER THE	D III D ORT RINT OR	ANGES ON MEDITIO		Cita Law J. Heller I.
SECTION D COMMON NAME/TRADE NAME:	TOLUENE				
HAZARDOUS INGREDIENT N HIGHEST CONCENTRATION:	TOLUENE		·		]
EHS 112(r) PHYSICAL UNIT OF	AVG. AMT. MAX. AMT. AMT. IN	AMT. OUT NUMBER OF	STORAGE CODE	HAZARD	CAS NO. (IF KNOWN)
STATE MEASURE	CODE CODE CODE  USE TABLE III USE TABLE III	CODE DAYS ON SITE USE TABLE III 3 DIGIT NO.	USE TABLES IV & V	CLASSES USE TABLE VI	0115 140. (11 1140 W11)
1 - PURE 2 - MIXTURE 2 - 2 2	03 03 02	00 365	D 1 4 N 1 4	3.2 6.3	108-88-3
1 · NEW 2 - NO LONGER REPORTABLE	[02] [02] [00]				UN/NA NO. (IF KNOWN).
STORAGE LOCATIONS AT SITE 1	I GLASS BOTTLE IN	THE LAB			EPA PESTICIDE
r.					REGISTRATION NO.
					[ ]
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT	XYLENE				
N HIGHEST CONCENTRATION:	XYLENE AVG. AMT. MAX. AMT. AMT. IN	AMT. OUT NUMBER OF	. [	HAZARD	
STATE   MEASURE	,	CODE DAYS ON SITE	USE TABLES IV & V D 1 4	CLASSES USE TABLE VI	1330 - 20 - 7
, 2 MIXTURE 2 2	03 03 02	00 365	N 1 4	3.3 6.3	UN/NA NO. (IF KNOWN)
1- NEW 2- NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE 1 Å	[ 02] [ 02] [ 00 ]   METAL DRUM OUTS	TOF W END			1307
OF LAB ALSO IN PLAST			Loosetta bossessa bossessa		EPA PESTICIDE REGISTRATION NO.
[					
				jı	<u> </u>
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT			L		1
N HIGHEST CONCENTRATION:			[		
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1 - PURE 2 - MIXTURE					
1 · NEW 2 · NO LONGER REPORTABLE					UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE					EPA PESTICIDE REGISTRATION NO.
					F 1
				j	
COMMON NAME/TRADE NAME: LAZARDOUS INGREDIENT			<b>l</b>		j
N HIGHEST CONCENTRATION:					
STATE MEASURE USE TABLE I USE TABLE I	AVG, AMT. MAX. AMT. IN CODE CODE CODE	AMT. OUT NUMBER OF CODE DAYS ON SITE USE TABLE III 3 DIGIT NO.	STORAGE CODE  USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE 2 - MIXTURE			grooming grooms grooms	grooms and grown and	LINIMA NO (IE PAIOURS)
1 - NEW 2 - NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE				[ ][ ]	UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE					EPA PESTICIDE REGISTRATION NO.
					INDICITION NO.
[				Konners	6012091 <u>20912</u>
				, ,566516	

Within 15 days of any of the following events, any covered employer shall complete and return the attached Hazardous Substance Employer Survey Change Form and return it to the Oregon State Fire Marshal's Office, Hazardous Materials Section (378-2885):

- 1. Change of business address
- 2. Change of business ownership
- 3. Change of business name
- 4. Cessation of business operations
- 5. Any addition, deletion or change to existing SIC codes for the business
- 6. A significant quantity change (one or more quantity range steps) has occurred for a previously reported material
- 7. A new hazardous material is introduced at your business location

FROM:	Koppen Co Inc	
	7540 N.W ST Helens Rd	0
· · · · · · · · · · · · · · · · · · ·	Portland or. 97229	

PLACE

STAMP

HERE

STATE FIRE MARSHAL'S OFFICE 3000 MARKET ST., NE, SUITE 534 SALEM, OR 97310-0198 ATTN: HAZARDOUS MATERIALS SECTION

Sent to Jordon
Down for Regiew
10-16-87

# THIS FORM MUST BE COMPLETED AND RETURNED

# OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE **EMPLOYER SURVEY**

1. No chemicals are used at this location in any way. (Complete Section B)  2. Chemicals are used at this location by our company, but do not meet reporting requirements. (Complete Section B) (See General Information for reporting requirements)  3. Chemicals are used at this location by our business in reportable quantities. (Complete all parts of this form)  ECTION B) (please provide the following information)  SIC CODE(S) that apply to location (if known):  2. DATE FORM COMPLETED: 1011/187  DATE FORM COMPLETED: 1011/187  BEMPLOYER NAME: Kopper Co Jac.  COMPANY NAME: Kopper Co Jac.  COMPANY NAME: Kopper Co Jac.  CITY: Pattal STATE: Or COUNTY: Multimaker: 97210  BUSINESS PHONE: 503 281 3661  SMAILING ADDRESS: (if different) Journal CITY: STATE: COUNTY: ZIP:  NUMBER OF EMPLOYEES:  BEMPRESHOP ASSISTANCE CONTACT (NAME): John A DX FORD  CONTACT PHONE(S): (53) 281 3681 DAY (200 254 - 2011 NIGHT)  RESPONSIBLE FIRE DEPARTMENT: Pattank  OF SPECIAL EMERGENCY PROCEDURES  See instructions) (Use additional pages as necessary)  DUPLICATE THIS FORM FOR EACH LOCATION	OCCUPANCY CODE: (office use only)	STATUS CODE: (office use only)
1 No chemicals are used at this location in any way. (Complete Section B) 2 Chemicals are used at this location by our company, but do not meet reporting requirements. (Complete Section B) (See General Information for reporting requirements) 3 Chemicals are used at this location by our business in reportable quantities. (Complete all parts of this form)  2 Chemicals are used at this location by our business in reportable quantities. (Complete all parts of this form)  3 Chemicals are used at this location by our business in reportable quantities. (Complete all parts of this form)  3 Chemicals are used at this location by our company, but do not meet reporting requirements. (Complete all parts of this form)  3 Chemicals are used at this location by our company, but do not meet reporting requirements. (Complete all parts of this form)  3 Chemicals are used at this location by our company, but do not meet reporting requirements. (Complete all Information for reporting requirements. (Complete all Information)  2	(check and)	
Chemicals are used at this location by our company, but do not meet reporting requirements. (Complete Section B) (See General Information for reporting requirements)  3. Chemicals are used at this location by our business in reportable quantities. (Complete all parts of this form)  Chemicals are used at this location by our business in reportable quantities. (Complete all parts of this form)  Chemicals are used at this location by our business in reportable quantities. (Complete all parts of this form)  Sic CODE(S) that apply to location (if known):  Sic CODE(S) that apply to location (if known):  Dun a Bracking (Q2 - 773 - 413 s 7)  EMPLOYER NAME: Kopper Co Juc.  COMPANY NAME: Kopper Co Juc.  COMPANY NAME: Kopper Co Juc.  COMPANY NAME: Kopper Co Juc.  CONTACTION ADDRESS: 7540 7: W: St Heleus Rd  CITY: Pollul STATE: Dr. COUNTY: Mullimetup: 97210  BUSINESS PHONE: 53 281 366/  MAILING ADDRESS: (if different) June  CITY: STATE: COUNTY: ZIP:  NUMBER OF EMPLOYEES:  EMERGENCY ASSISTANCE CONTACT (NAME): June R DX FORD  CONTACT PHONE(S): (53) 261 366/ DAY (204) 254 - 801/ NIGHT  RESPONSIBLE FIRE DEPARTMENT: Putters  O'S PECIAL EMERGENCY PROCEDURES  See instructions) (Use additional pages as necessary)	SECTION A. (check one)	·
requirements. (Complete Section B) (See General Information for reporting requirements)  3. Chemicals are used at this location by our business in reportable quantities. (Complete all parts of this form)  6. Chemicals are used at this location by our business in reportable quantities. (Complete all parts of this form)  6. Chemicals are used at this location by our business in reportable quantities. (Complete all parts of this form)  6. CODE(S) that apply to location (if known):  7. DATE FORM COMPLETED: 10/14/87  8. EMPLOYER NAME: Kopper Co Jone  8. COMPANY NAME: Kopper Co Jone  9. LOCATION ADDRESS: 7540 70 W. St. Helens Rd  1. COMPANY NAME: STATE: Or COUNTY: Multimarkip: 772/0  8. BUSINESS PHONE: 5e 3 286 366/  9. MAILING ADDRESS: (if different) Jone  1. NUMBER OF EMPLOYEES:  1. NUMBER OF EMPLOYEES:  2. EMERGENCY ASSISTANCE CONTACT (NAME): John A DX FORD)  1. CONTACT PHONE(S): (5e3) 286 366/  1. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED (NFPA.704)?  2. NO SPECIAL EMERGENCY PROCEDURES  See instructions) (Use additional pages as necessary)	1 No chemicals are used at this location in	any way. (Complete Section B)
all parts of this form)  ECTION B  (please provide the following information)  SIC CODE(S) that apply to location (if known):  DATE FORM COMPLETED: 10/14/8?  EMPLOYER NAME: Koppey Co Jrc.  COMPANY NAME: Koppey Co Jrc.  LOCATION ADDRESS: 75 40 M. W. St / Heleus Rd  CITY: Pattal STATE: Or COUNTY: Mullinmetup: 97240  BUSINESS PHONE: 503 281 366/  MAILING ADDRESS: (if different)  CITY: STATE: COUNTY: ZIP:  NUMBER OF EMPLOYEES:  EMERGENCY ASSISTANCE CONTACT (NAME): John A Oxford  CONTACT PHONE(S): (53) 266 366/  RESPONSIBLE FIRE DEPARTMENT: Portland  OSPECIAL EMERGENCY PROCEDURES See instructions) (Use additional pages as necessary)  1. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED (NFPA 704)?	requirements. (Complete Section B)	
SIC CODE(S) that apply to location (if known):  DATE FORM COMPLETED: 10/14/87  EMPLOYER NAME: Keppen Co Jac.  COMPANY NAME: Koppen Co Jac.  LOCATION ADDRESS: 7540 7. W. St. Helens Rd.  CITY: Portland STATE: Or COUNTY: Mullramelyp: 97210  BUSINESS PHONE: 503 286 366/  MAILING ADDRESS: (if different) Janel  CITY: STATE: COUNTY: ZIP:  NUMBER OF EMPLOYEES:  EMERGENCY ASSISTANCE CONTACT (NAME): JOHN A DXFORD)  CONTACT PHONE(S): (503) 286 366/ DAY (206) 254 - 801/ NIGHT  RESPONSIBLE FIRE DEPARTMENT: Portland  O'SPECIAL EMERGENCY PROCEDURES  See instructions) (Use additional pages as necessary)	·	business in reportable quantities. (Complete
DATE FORM COMPLETED: 10/14/8?  Dun & Bradstreet D2 - 773-4359  EMPLOYER NAME: Koppen Co Jnc.  COMPANY NAME: Koppen Co Jnc.  LOCATION ADDRESS: 7540 70: W. St. Helens PR  CITY: Portland STATE: Or COUNTY: Mullnumekip: 97210  BUSINESS PHONE: 503 286 366/  MAILING ADDRESS: (if different) Jonel  CITY: STATE: COUNTY: ZIP:  NUMBER OF EMPLOYEES:  EMERGENCY ASSISTANCE CONTACT (NAME): JOHN R OXFORD  CONTACT PHONE(S): (503) 286 366/  DAY (206) 254 - 801/ NIGHT  RESPONSIBLE FIRE DEPARTMENT: Portland  O: SPECIAL EMERGENCY PROCEDURES See instructions) (Use additional pages as necessary)	ECTION B. (please provide the following information)	
EMPLOYER NAME: Kopper Co Jac.  COMPANY NAME: Kopper Co Jac.  LOCATION ADDRESS: 7540 N. W. St /felent Rd  CITY: Polland STATE: Or COUNTY: Mullnumbup: 97210  BUSINESS PHONE: 503 286 366/  MAILING ADDRESS: (if different) Jamel  CITY: STATE: COUNTY: ZIP:  NUMBER OF EMPLOYEES:  EMERGENCY ASSISTANCE CONTACT (NAME): JOHN A DXFORD  CONTACT PHONE(S): (503) 286 368/ DAY (206) 254-801/ NIGHT  RESPONSIBLE FIRE DEPARTMENT: Polland  O'SPECIAL EMERGENCY PROCEDURES See instructions) (Use additional pages as necessary)	. SIC CODE(S) that apply to location (if known):	2865
EMPLOYER NAME: Kopper Co Inc.  COMPANY NAME: Kopper Co Inc.  LOCATION ADDRESS: 7540 70 W. St. Helens Rd.  CITY: Pattand State: Or COUNTY: Mullinghelp: 97210  BUSINESS PHONE: 503 286 3661  MAILING ADDRESS: (if different) Jamel  CITY: STATE: COUNTY: ZIP:  NUMBER OF EMPLOYEES:  EMERGENCY ASSISTANCE CONTACT (NAME): JOHN A DXFORD  CONTACT PHONE(S): (503) 266 3661 DAY (206) 254-8011 NIGHT  RESPONSIBLE FIRE DEPARTMENT: Partland  O: SPECIAL EMERGENCY PROCEDURES  See instructions) (Use additional pages as necessary)	DATE FORM COMPLETED: 10/14/87	Dun & Bradstreet 02 - 7733 - 4359
COMPANY NAME: Kopper Co Jnc.  LOCATION ADDRESS: 7540 N. W. St Helens Rd  CITY: Portland STATE: Or COUNTY: Mullsumely: 97210  BUSINESS PHONE: 503 286 366/  MAILING ADDRESS: (if different) Jonel  CITY: STATE: COUNTY: ZIP:  NUMBER OF EMPLOYEES:  EMERGENCY ASSISTANCE CONTACT (NAME): JOHN A OXFORD  CONTACT PHONE(S): (503) 286 368/ DAY (200) 254 - 801/ NIGHT  RESPONSIBLE FIRE DEPARTMENT: Portland  O'SPECIAL EMERGENCY PROCEDURES See instructions) (Use additional pages as necessary)  1. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED (NFPA 704)?	. EMPLOYER NAME: Koppey Co Inc	<u>v.                                    </u>
CITY: Portland STATE: Or COUNTY: Mullnumbup: 97210  BUSINESS PHONE: 503 286 366/  MAILING ADDRESS: (if different) Journal  CITY: STATE: COUNTY: ZIP:  NUMBER OF EMPLOYEES:  EMERGENCY ASSISTANCE CONTACT (NAME): JOHN A OXFORD  CONTACT PHONE(S): (503) 286 368/ DAY (206) 254-804/ NIGHT  RESPONSIBLE FIRE DEPARTMENT: Portland  Or SPECIAL EMERGENCY PROCEDURES See instructions) (Use additional pages as necessary)		
BUSINESS PHONE: 503 286 3661  MAILING ADDRESS: (if different)  STATE: COUNTY: ZIP:  NUMBER OF EMPLOYEES:  EMERGENCY ASSISTANCE CONTACT (NAME): JOHN A DXFORD  CONTACT PHONE(S): (503) 286 3681 DAY (206) 254 - 8011 NIGHT  RESPONSIBLE FIRE DEPARTMENT: Portland  Or Special Emergency Procedures See instructions) (Use additional pages as necessary)  1. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED (NFPA 704)?	LOCATION ADDRESS 7540 N.W.	St Helens Rd
BUSINESS PHONE: 503 286 366/  . MAILING ADDRESS: (if different)  CITY: STATE: COUNTY: ZIP:  . NUMBER OF EMPLOYEES:  . EMERGENCY ASSISTANCE CONTACT (NAME): JOHN A DXFOZD  CONTACT PHONE(S): (503) 286 368/ DAY (206) 254 - 801/ NIGHT  . RESPONSIBLE FIRE DEPARTMENT: DAY (206) 254 - 801/ NIGHT  O'SPECIAL EMERGENCY PROCEDURES See instructions) (Use additional pages as necessary)  1. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED (NFPA 704)?		
MAILING ADDRESS: (if different)  CITY: STATE: COUNTY: ZIP:  NUMBER OF EMPLOYEES:  EMERGENCY ASSISTANCE CONTACT (NAME): JOHN A DXFORD  CONTACT PHONE(S): (503) 286 3681 DAY (206) 254 - 8011 NIGHT  RESPONSIBLE FIRE DEPARTMENT: DATUMENT  Or SPECIAL EMERGENCY PROCEDURES  See instructions) (Use additional pages as necessary)  1. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED (NFPA 704) ?		
CITY: STATE: COUNTY: ZIP:  NUMBER OF EMPLOYEES:  EMERGENCY ASSISTANCE CONTACT (NAME): JOHN A DXFORD  CONTACT PHONE(S): (503) 266 3681 DAY (206) 2544 - 8011 NIGHT  RESPONSIBLE FIRE DEPARTMENT: Portland  O: SPECIAL EMERGENCY PROCEDURES See instructions) (Use additional pages as necessary)  1. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED (NFPA 704) ?		
EMERGENCY ASSISTANCE CONTACT (NAME): JOHN A OXFORD  CONTACT PHONE(S): (563) 286 3681 DAY (206) 254 - 8011 NIGHT  RESPONSIBLE FIRE DEPARTMENT: Particul  O'SPECIAL EMERGENCY PROCEDURES See instructions) (Use additional pages as necessary)  1. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED (NFPA 704)?		
CONTACT PHONE(S): (503) 286 3681 DAY (200) 254 - 8011 NIGHT  RESPONSIBLE FIRE DEPARTMENT: Portland  O: SPECIAL EMERGENCY PROCEDURES See instructions) (Use additional pages as necessary)  1. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED (NFPA 704) ?	. NUMBER OF EMPLOYEES:	
CONTACT PHONE(S): (503) 286 3681 DAY (200) 254 - 8011 NIGHT  RESPONSIBLE FIRE DEPARTMENT: Portland  O: SPECIAL EMERGENCY PROCEDURES See instructions) (Use additional pages as necessary)  1. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED (NFPA 704) ?	. EMERGENCY ASSISTANCE CONTACT (NAME):	JOHN A OXFORD
. RESPONSIBLE FIRE DEPARTMENT: Portland  0. SPECIAL EMERGENCY PROCEDURES See instructions) (Use additional pages as necessary)  1. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED (NFPA 704) ?		_
See instructions) (Use additional pages as necessary)  1. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED (NFPA 704) ?	D to	L.
DUPLICATE THIS FORM FOR EACH LOCATION	1. ARE STORAGE BUILDINGS/TANKS/AREAS PLACAF	RDED (NFPA: 704) ?
	. DUPLICATE THIS FORM FOR	EACH LOCATION

814-440-185 (R7-87)

# TO RETURN THIS SURVEY 2. FOLD IN HALF AT INDICATED MARKS

- 1. ♠ REMOVE THIS STRIP AT PERFORATION ♠
- 3. REMOVE TAPE STRIP, FOLD AND SEAL

	CHEMICAL/TRADE NAME	GASOLINE				
	Physical Unit		Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
	1. Solid	ons 3	4	AD	8006-61-9 UN/NA No. 1203	3.1
	Storage location (be speci	,	of warehouse about 20	0 feet. Drums are in w	arehouse south end a	gainst
•	CHEMICAL/TRADE NAME	wall.				
1.	Physical Unit State Meas		Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
	1. Solid 1. Pou 2. Liquid 2. Gall 3. Gas 3. Cub	ons 5	6	A D Q	8001 58 9 UN/NA No. 9188	4.2
	Storage location (be speci	fic): Tank ?	Farm, Car	bratory in		Rear
		_ sample.	novem, in	Warehouse	in front go	st mide door
2.	CHEMICAL/TRADE NAME		Y			
 	Physical Unit		Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
	1 Solid 1. Pou 2. Liquid 2. Gall 3. Gas 3. Cub	ons 6	6	R	65996 932 UN/NA No. NA	N/A
	Storage location (be speci	fic): Pitch	Storage B	ailding		
				<i>U</i> :		
3.	CHEMICAL/TRADE NAME		<del></del>	Refined 7		
Ο.	Physical Unit State Meas		Maximum Oty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
	1. Solid 2. Gall 2. Gall 3. Gas 3. Cub	ons 4	4	ADQ	UN/NA No.	4.2 (
	Storage location (be speci	fic): Rail Track :	# 5 By Pite	h Storage les	ulling #	17th intanh
		farm, I	n Warthouse	e in front	Just inside	door
4.	CHEMICAL/TRADE NAME		ulfite			
	Physical Unit State Meas		Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
	1. (Solid) 1 Pou 2. Liquid 2. Gall 3. Gas 3. Cub	ons 5	l <sub>e</sub>	<b>I</b> 🗆	7757-83-7 UN/NA No.	N/A -
	Storage location (be speci	fic): In wareho	use in re	er and mi	doll areas	
- 2222		production with control and the control and th	The high manifestation and the state of the	age makes ( ) 111 ga	The state of the s	em man and the second process of the second
	ECTION C (Continued)					•

Physical Unit of Ava Otv Code | Maximum Otv Code | Storage Codes | CAS No. | Hazard Classes | Koppers012094

76.	Contonio. (Fi	ease provide the ic	mowing information	n Duplicate tris form	as necessary for a co	implete report	
	CHEMICAL/TRA	ADE NAME	GASOLINE				
	Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Oty Code (use Table 1)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
	1. Solid 2. Liquid 3. Gas	1. Pounds 2. Gallons 3. Cubic Ft.				8006-61-9 UN/NA No. 1203	3.1
	Storage location	n (be specific):	-Tank is cast c		Heet. Drums are in wa		
			man din	Warthouse in	_ 3 5gol_	Plastic app	rosed safety
		1		Bi Sulfite			Cans.
1.	CHEMICAL/TRA	ADE NAME:Unit of	Avg Qty Code	Maximum Qty Code	Storage Codes	CAS No.	Hazard Classes
	State	Measure	(use Table I)	(use Table I)	(use Table II)	(if known)	(use Table III)
	1. Solid 2. Liquid 3. Gas	1 Pounds 2. Gallons 3. Cubic Ft.	4	4	<b>1</b> 0	7631-90-5 UN/NA No. 2693	5.1
		n (be specific):	n Warehon	10	For along of	outh of now	th walls
	Otorage recaller	——————————————————————————————————————			J		
		•					
-	CHEMICAL/TR/	ADENAME #	-2 Diese	19 nel			
2.	Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
	1. Solid	1. Pounds 2. Gallons	l	2	$D \square \square$	UN/NA No.	4.2
	3. Gas	3. Cubic Ft.				<u> </u>	
	Storage location	n (be specific):	In Steel	Drums of	ust in for	nt of wares	house outset
		•	L. Committee of the com				
3.	CHEMICAL/TR/ Physical		Ava Oty Codo	Maximum Qty Code		CAS No.	Hazard Classes
	State	Measure	Avg Qty Code (use Table I)	(use Table I)	Storage Codes (use Table II)	(if known)	(use Table III)
	1. Solid	1. Pounds					
	2. Liquid 3 Gas	2. Gallons 3 Cubic Ft.	2			UN/NA No.	2.2
	Storage location	n (be specific):	Cylinder	mounted on	South side	- of Calina	long Bldg
			v B was				
			Hudan	en '			
4.	CHEMICAL/TR/ Physical	ADE NAME: Unit of	Avg Qvy Code	Maximum Qty Code	Storage Codes	CAS No.	Hazard Classes
	State	Measure	(use Table I)	(use Table I)	(use Table II)	(if known)	(use Table III)
	1. Solid	Pounds     Gallons	7	2		UN/ŅA No.	
	2. Liquid 3. Gas	3. Cubic Ft				UN1049	
	Storage location	(be specific):		lounted on	South Side	of Cabrato	y Blda
	-	· —	outside			· 0	1
S.	ECHONIC: (C	ontinued)	Λ	en automorphic a la unit et a legis de la	A	ing yan ke saya aga ta a a a a a a a a a a a a a a a a	The game series is
<b>1</b>	CHEMICAL/TR	•	Com-	an UN	1002		
5.	Physical	I Init of	Ava Oty Code	Maximum Otv Code	Storage Codes	CAS No.	Hazard Classes

Avn Otv Code | Maximum Otv Code | Storage Codes

CAS No.

Hazard Classes
Koppers012095

	CHEMICAL/TRA	ADE NAME:	GASOLINE		<u>.</u>		
	Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Oty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
	1. Solid 2. Liquid 3. Gas	1. Pounds 2 Gallons 3. Cubic Ft.	3	4	A D	8006-61-9 UN/NA No. 1203	3.1
	Storage location	n (be specific):		of warehouse about 20	0 feet. Drums are in w	arehouse south end a	gainst
			wall.	<u> </u>			
1.	CHEMICAL/TRA		AA	DXY9E			
•	Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
	1. Solid 2. Liquid 3. Gas	1. Pounds 2. Gallons 3 Cubic Ft	2	2	4	7782-44-7 UN/NA No. 1072	5.1
	Storage location	n (be specific): ك	n Mainte		in rear	folg.	/cylinder
		1	on Voilale	le cart in	front of	my, insid	· ·
2.	CHEMICAL/TRA	ADE NAME: P	ROPANE				
۷.	Physical State	Unit of Measure	Avg Oty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
	1. Solid 2. Liquid	1. Pounds 2. Gallons	2	2		74 98 6 UN/NA No.	2./
	3. <b>(</b> Gas)	3. Cubic Ft				1075	
			ylinger on	each of 2 7	orklifts, b		eylinder pept
			glinser on Storages	each of 2 7	orplifts &		yfinder pept
a .	Storage location	n (be specific): Lc	glinser on Storages		orplifty !	Balance of 7	eylinder, kept
3.	Storage location	n (be specific): Lc	Avg Qty Code	Maximum Qty Code	Storage Codes	CAS No.	Hazard Classes
3.	CHEMICAL/TR/ Physical State  1. Solid 2. Liquid	ADE NAME:    Younds   1. Pounds   2. Gallons			ord Tax All	Balance of 7	
3.	CHEMICAL/TR/ Physical State  1. Solid 2. Liquid 3. Gas	ADE NAME:  Unit of Measure  1. Pounds 2. Gallons 3. Cubic Ft.	Avg Qty Code	Maximum Qty Code	Storage Codes	CAS No. (if known)	Hazard Classes
3.	CHEMICAL/TR/ Physical State  1. Solid 2. Liquid 3. Gas	ADE NAME:    Younds   1. Pounds   2. Gallons	Avg Qty Code	Maximum Qty Code	Storage Codes	CAS No. (if known)	Hazard Classes
3.	CHEMICAL/TR/ Physical State  1. Solid 2. Liquid 3. Gas Storage location	ADE NAME:    Year   Unit of Measure     1. Pounds     2. Gallons     3. Cubic Ft.     1. (be specific):	Avg Qty Code	Maximum Qty Code	Storage Codes	CAS No. (if known)	Hazard Classes
3.	CHEMICAL/TR/ Physical State  1. Solid 2. Liquid 3. Gas	ADE NAME:    Year   Unit of Measure     1. Pounds     2. Gallons     3. Cubic Ft.     1. (be specific):	Avg Qty Code	Maximum Qty Code	Storage Codes	CAS No. (if known)	Hazard Classes
3.	CHEMICAL/TR/ Physical State  1. Solid 2. Liquid 3. Gas Storage location  CHEMICAL/TR/ Physical	ADE NAME:  1. Pounds 2. Gallons 3. Cubic Ft.  1. (be specific):  1. Pounds 2. Gallons 3. Cubic Ft.  1. Unit of	Avg Qty Code (use Table I)  Avg Qty Code	Maximum Qty Code (use Table I)	Storage Codes (use Table II)  Storage Codes	CAS No. (if known)  UN/NA No.  CAS No.	Hazard Classes (use Table III)
3.	CHEMICAL/TRA Physical State  1. Solid 2. Liquid 3. Gas Storage location  CHEMICAL/TRA Physical State  1. Solid 2. Liquid 3. Gas  Liquid 3. Gas	ADE NAME:  1. Pounds 2. Gallons 3. Cubic Ft.  1. In (be specific):  ADE NAME:  Unit of Measure  1. Pounds 2. Gallons 3. Cubic Ft.  ADE NAME:  Unit of Measure  1. Pounds 2. Gallons 3. Cubic Ft.	Avg Qty Code (use Table I)  Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)  Storage Codes (use Table II)	CAS No. (if known)  UN/NA No.  CAS No. (if known)	Hazard Classes (use Table III)
	CHEMICAL/TRA Physical State  1. Solid 2. Liquid 3. Gas Storage location  CHEMICAL/TRA Physical State  1. Solid 2. Liquid 3. Gas Storage location	ADE NAME:  1. Pounds 2. Gallons 3. Cubic Ft.  1. Pounds 2. Gallons 3. Cubic Ft.  1. Pounds 2. Gallons 3. Cubic Ft.  2. Gallons 3. Cubic Ft.  4. Pounds 4. Pounds 5. Gallons 6. Cubic Ft.  1. Pounds 7. Pounds 8. Cubic Ft.  1. Pounds 9. Gallons 1. Cubic Ft.  1. Pounds 9. Gallons 1. Cubic Ft.  1. (be specific):	Avg Qty Code (use Table I)  Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)  Maximum Qty Code (use Table I)	Storage Codes (use Table II)  Storage Codes (use Table II)	CAS No. (if known)  UN/NA No.  CAS No. (if known)	Hazard Classes (use Table III)
	CHEMICAL/TR/ Physical State  1. Solid 2. Liquid 3. Gas Storage location  CHEMICAL/TR/ Physical State  1. Solid 2. Liquid 3. Gas Storage location  State  1. Solid 2. Liquid 3. Gas  Storage location	ADE NAME:  1. Pounds 2. Gallons 3. Cubic Ft. 1. Pounds 3. Cubic Ft. 1. Pounds 4. Gallons 5. Cubic Ft. 1. Pounds 6. Gallons 7. Cubic Ft. 1. Pounds 7. Cubic Ft. 1. Cubic Ft. 1	Avg Qty Code (use Table I)  Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)  Maximum Qty Code (use Table I)	Storage Codes (use Table II)  Storage Codes (use Table II)	CAS No. (if known)  UN/NA No.  CAS No. (if known)	Hazard Classes (use Table III)
	CHEMICAL/TR/ Physical State  1. Solid 2. Liquid 3. Gas Storage location  CHEMICAL/TR/ Physical State  1. Solid 2. Liquid 3. Gas Storage location  CHEMICAL/TR/  CHEMICAL/T	ADE NAME:  1. Pounds 2. Gallons 3. Cubic Ft. 1. Pounds 3. Cubic Ft. 1. Pounds 4. Gallons 5. Cubic Ft. 1. Pounds 6. Gallons 7. Cubic Ft. 1. Pounds 8. Cubic Ft. 1. Pounds 9. Gallons 9. Cubic Ft. 1. Pounds	Avg Qty Code (use Table I)  Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)  Maximum Qty Code (use Table I)	Storage Codes (use Table II)  Storage Codes (use Table II)	CAS No. (if known)  UN/NA No.  CAS No. (if known)	Hazard Classes (use Table III)  Hazard Classes (use Table III)

(Please provide the following information) Duplicate this form as necessary for a complete report

CHEMICAL/TRADE NAME:	GASOLINE		>		
Physical Unit of State Measure	Avg Oty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid 1. Pounds 2. Liquid 2. Gallons 3. Gas 3. Cubic Ft.	3	47.7	AD	8006-61-9 UN/NA No. 1203	3.1
Storage location (be specific):		f warehouse about 200	0 feet. Drums are in w	arehouse south end a	gainst
	wall.				
OUTNOAL TRADE MANE	Compre	essel air	,		
1. CHEMICAL/TRADE NAME: Physical Unit of	Avg Qty Code	Maximum Qty Code	Storage Codes	CAS No.	Hazard Classes
State Measure  1. Solid 1. Pounds	(use Table I)	(use Table I)	(use Table II)	(if known)	(use Table III)
2. Liquid 2. Gallons 3 Cubic Ft	2	2		UN/NA No.	2.2
Storage location (be specific):	cylinder n	counted on	South Side	of Tabra	tory Blog
	Operation				
	acityler	e Tas.			
Physical Unit of State Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid 1. Pounds 2. Liquid 2. Gallons 3. Gas 3. Cubic Fi	2	2		74-86-2 UN/NA No.	
Storage location (be specific):	In Main	tenance Sho	D. at From	t of build	ing
——————————————————————————————————————					$\sigma$
: CHEMICAL/TRADE NAME:	X ylene		•		
Physical Unit of State Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid 1. Pounds 2. Liquid 2 Gallons 3. Gas 3. Cubic Ft.			D G	UN/NA No.	3,3
Storage location (be specific):	In Calera	tory (Carbon	Out		y at rear
——	1(Drum)	1			
5	·				
CHEMICAL/TRADE NAME:		ylene			
Physical Unit of State Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid 1. Pounds 2. Callons 3. Gas 3. Cubic Ft.	/			UN/NA No.	4.2
Storage location (be specific):	Outside la	instory, at	rear, ID.	um	
TOTAL COLUMN STATE OF THE STATE	r	STANDAR MATERIA DE CAMBRILLA SE CARRELLA S	E HOME - the pronounce continues for a pronounce of the con-	The same of the same the second contract contract and	
SECTION (Continued)					

Avo Oty Code | Maximum Oty Code | Storage Codes

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_	CHEMICAL/TR/	ADE NAME:					
3,	Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS Nó.	Hazard Classes (use Table III)
	1. Solid 2. Liquid 3. Gas	<ol> <li>Pounds</li> <li>Gallons</li> <li>Cubic Ft.</li> </ol>				UN/NA No.	
:	Storage location	n (be specific):					
٠.	ngyang.	· · · · · · · · · · · · · · · · · · ·			<del></del>	·	<del></del>
Ś	ECTION D (C	ertification)				•	
l ce	ertify that the info	ormation provided	in this form is com	plete and correct to the	ne best of my knowledg	e.	
			Signa Name Title:		a O Hord OXFORD MgR.		

# TABLES TO BE USED FOR FORM COMPLETION

TABLE I - Reporting Ranges	TABLE 1	∐ - Storage Codes			
Code Quantity	Code	Type of Storage			
1 0 - 99 2 100 - 999 3 1000 - 9999 4 10,000 - 99,999 5 100,000 - 999,999 6 Higher than 1 million	A = B = C = E = F = G = H = H	Aboveground tank Underground tank Tank inside building Steel drum Plastic or non-metallic drum Can Carboy Silo Fiber drum	J K L M N O P Q R	Bag Box Cylinder Glass bottles or jugs Plastic bottles or jugs Totebin Tank wagon Railcar Other	

# TABLE III - Chemical Hazard Classifications

(1.1) Class A Explosives	(2.2) Nonflammable Gases	(4.2) Combustible Materials	(6.2) Etiologic Materials
(1.2) Class B Explosives	(2.3) Poison Gases	(4.3) Dangerous When Wet	(6.3) Acute Health Hazard
(1.3) Class C Explosives	(3.1) Flammable liq. (FP<0°F)	(4.4) Reactive material	(6.4) Chronic Health Hazard
(1.4) Blasting Agents	(3.2) Flammable liq. (0°F <fp<73°f)< td=""><td>(5.1) Oxidizers</td><td>(7.3) Radioactive Materials</td></fp<73°f)<>	(5.1) Oxidizers	(7.3) Radioactive Materials
(1.5) Insensitive Explosives	(3.3) Flamm. Liq. (73° < FP < 141° F)	(5.2) Organic Peroxides	(8.0) Corrosives
(2.1) Flammable Gases	(4.1) Flammable Solids	(6.1) Poisonous Materials	(9.0) Misc. Haz. Materials

THIS FORM MUST BE COMPLETED AND RETURNED

# OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE **EMPLOYER SURVEY**

OCCUPANCY CODE: (office use only)			STATUS CODE: (office use only)
SECTIONA (check on	e)		
	emicals are used at this lo	cation in any way. (Compl	ete Section B)
requir			but do not meet reporting Information for reporting
	icals are used at this locations of this form)	on by our business in repo	ortable quantities. (Complete
SECTION B (please pr	ovide the following informa	ition)	
1. SIC CODE(S) that	apply to location (if known)	2865	
2. DATE FORM COM	IPLETED: 10 /14 / 87	Dun & Bradstreet Number	2-773-4359
3. EMPLOYER NAMI	: JOHN OXFORD		· · · · · · · · · · · · · · · · · · ·
	: KOPPERS COMPA		
5. LOCATION ADDR	ESS:7540 N.W. ST.	HELENS RO	
			ZIP:97210
BUSINESS PHON	E: <u>503-286-3681</u>	•	
6. MAILING ADDRES	SS: (if different)SA	ME	
		•	ZIP:
7. NUMBER OF EMP	PLOYEES:9		
8. EMERGENCY ASS	SISTANCE CONTACT (NAI	ME):JOHN_A_OXFOR	20
CONTAÇT PHONE	E(S): ( <sup>503</sup> ) <u>286-3681</u>	DAY ( 206) _254-	-8011NIGHT
9. RESPONSIBLE FI	RE DEPARTMENT:PO	RTLAND	-
10" SPECIAL EMERGI (See instructions) (Use	ENCY PROCEDURES  additional pages as neces	ssary)	
11. ARE STORAGE B	UILDINGS/TANKS/AREAS	PLACARDED (NFPA 704	)?NO

REMOVE THIS STRIP AT PERFORATION 4

2. FOLD IN HALF AT INDICATED MARKS

3. REMOVE TAPE STRIP, FOLD AND SEAL

(Please provide the following information) Duplicate this form as necessary for a complete report

	CHEMICAL/TRADE NAME: GASOLINE
	Physical Unit of Avg Qty Code Maximum Qty Code Storage Codes CAS No. Hazard Classes State (use Table I) (use Table II) (use Table III) (use Table III)
	1. Solid
	Storage location (be specific): Tank is east of warehouse about 200 feet. Drums are in warehouse south end against
	wall.
1.	CHEMICAL/TRADE NAME: <u>CREOSOTE</u> Physical Unit of Avg Qty Code Maximum Qty Code Storage Codes CAS No.————————————————————————————————————
	Physical Unit of Avg Qty Code Maximum Qty Code Storage Codes CAS No. Hazard Classes State Measure (use Table I) (use Table II) (if known) (use Table III)
	1. Solid 1. Pounds 2. Gallons 5 6 A D Q 8001589 UN/NA No. 9188
	Storage location (be specific): TANK FARM, LABORATORY IN REAR SAMPLE ROOM, IN WAREHOUSE IN FRONT JUST
	INSIDE DOOR
•	
2.	CHEMICAL/TRADE NAME: COAL TAR PITCH  Physical W Unit of Avg Qty Code Maximum Qty Code Storage Codes CAS No. Hazard Classes
	State Measure (use Table I) (use Table II) (use Table III) (if known) (use Table III)
	(1) Solid     (1) Pounds       2. Liquid     2. Gallons       3. Gas     3. Cubic Ft.         6     R       R     UN/NA No.       N/A
	Storage location (be specific): PITCH STORAGE BUILDING
3	CHEMICAL/TRADE NAME: REFINED TAR
٠.	Physical Unit of Avg Qty Code Maximum Qty Code Storage Codes CAS No. Hazard Classes (use Table I) (use Table II) (use Table II) (use Table III)
	1. Solid 2. Liquid 3. Gas 3. Cubic Ft.  1. Pounds 4 4 4 4 4 7 7 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9
	Storage location (be specific): RAIL TRACK #5 BY PITCH STORAGE BUILDING, #17 th IN TANK FARM, IN
	WAREHOUSE, IN FROM JUST INSIDE DOOR
1	CHEMICAL/TRADE NAME: SODIUM SULFITE
٠.	Physical StateUnit of MeasureAvg Qty Code (use Table I)Maximum Qty Code (use Table I)Storage Codes (use Table II)CAS No. (use Table II)Hazard Classes (use Table III)
•	(1) Solid         (1) Pounds           2. Liquid         2. Gallons           3. Gas         3. Cubic Ft.             5         6           M/A             7757-83-7           UN/NA No.           N/A
	Storage location (be specific): IN WAREHOUSE IN REAR AND MIDDLE AREAS

CHEMICAL/TRADE NAME: Physical Unit of State Measure (use Table I)  Storage location (be specific):  CHEMICAL/TRADE NAME: 1. Solid 1. Pounds (use Table I)  Storage location (be specific):  The Warehouse Along South & North Walls  CHEMICAL/TRADE NAME: 1. Solid 1. Pounds (use Table I)  Storage location (be specific):  The Warehouse Along South & North Walls  CHEMICAL/TRADE NAME: 1. Solid 1. Pounds (use Table I)  Storage location (be specific):  The Stora	
State Measure (use Table I) (use Table II) (use Table II) (if known) (use Table II) (if known) (use Table II) (if known) (use Table II) (use	
2. Liquid 2. Gallons 3. Cubic Ft.  Storage location (be specific):  TN WAREHOUSE ALONG SOUTH & NORTH WALLS  CHEMICAL/TRADE NAME: #2 DTESEL FUEL  Physical Unit of State Measure (use Table I) (use Table I) (use Table II) (if known) (use Table II)  1. Solid 1. Pounds (2) Liquid (2) Gallons 1 2 UN/NA No. 4.2 (12)  Storage location (be specific):  TN STEEL DRUMS JUST IN FRONT OF WAREHOUSE OUTSIDE  CHEMICAL/TRADE NAME: HELIUM  Physical Weasure (use Table II) (use Table II) (if known) (use Table II)  1. Solid 1. Pounds (use Table II) (use Table II) (use Table II) (use Table II)  1. Solid 1. Pounds (use Table II) (use Table II) (use Table II) (use Table II)  2. Liquid 2. Gallons 2 2 L UN/NA No. 2. 2. 2  CHEMICAL/TRADE NAME: HYDROGEN  Physical Unit of State Weasure (use Table II) (use Table II) (use Table II) (use Table II)  CHEMICAL/TRADE NAME: HYDROGEN  Physical Unit of State Weasure (use Table II) (	
Storage location (be specific):  TN WAREHOUSE ALONG SOUTH & NORTH WALLS  CHEMICALTRADE NAME:  Physical Unit of Avg Qty Code (use Table I) (use Table II) (if known) (use Table II)  1. Solid 1. Pounds (2) Liquid (2) Gallons 3. Gas 3. Cubic Pt.  Storage location (be specific):  CHEMICALTRADE NAME:  ### DTESEL FUEL  Physical Unit of Avg Qty Code (use Table I) (use Table II) (if known) (use Table II)  CHEMICALTRADE NAME:  ### DTESEL FUEL  Physical (use Table II) (use Table II) (use Table II) (use Table II)  CHEMICALTRADE NAME:  ### HELTUM  Physical Unit of Avg Qty Code (use Table I) (use Table II) (if known) (use Table II)  1. Solid 1. Pounds 2. Liquid 2. Gallons 2 (use Table I) (use Table II) (use Table II)  Storage location (be specific):  CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE  CHEMICALTRADE NAME:  ###################################	
Storage location (be specific):  IN WAREHOUSE ALONG SOUTH & NORTH WALLS  CHEMICAL/TRADE NAME:  Physical Unit of State Measure (use Table I) (use Table I) (use Table II) (if known) (use Table II)  1. Solid 1. Pounds (2) Liquid (2) Gallons 3. Cubic Ft.  Storage location (be specific):  IN STEEL DRUMS JUST IN FRONT OF WAREHOUSE OUTSIDE  CHEMICAL/TRADE NAME:  Physical Measure (use Table I) (use Table II) (if known) (use Table II)  1. Solid 1. Pounds (use Table II) (if known) (use Table II)  Storage location (be specific):  CHEMICAL/TRADE NAME:  Physical 1. Solid 2. Gallons 2  L UNIVNA No. 22  CHEMICAL/TRADE NAME:  CYL LNDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE  CHEMICAL/TRADE NAME:  HYDROGEN  Physical Unit of Avg Qty Code Maximum Qty Code (use Table II) (if known) (use Table II)  CHEMICAL/TRADE NAME:  HYDROGEN  Physical Unit of Avg Qty Code Maximum Qty Code (use Table II) (if known) (use Table II)  CHEMICAL/TRADE NAME:  HYDROGEN  Physical Unit of Avg Qty Code (use Table II) (use Table III) (if known) (use Table III)  CHEMICAL/TRADE NAME:  HYDROGEN  Physical Unit of Avg Qty Code (use Table II) (use Table III) (if known) (use Table III)  CHEMICAL/TRADE NAME:  HYDROGEN  Physical Unit of Avg Qty Code (use Table II) (use Table III) (if known) (use Table III)  CHEMICAL/TRADE NAME:  HYDROGEN	
CHEMICAL/TRADE NAME:  Physical Unit of Avg City Code (use Table I) (use Table II) (iff known) (use Table II)  1. Solid 1. Pounds (2) Liquid (2) Gallons 1 2 UNINA No. (use Table II) (use Table II)  Storage location (be specific):  The Steel Drums Just In Front of Warehouse Outside  CHEMICAL/TRADE NAME:  Physical Unit of Avg City Code (use Table II) (use Table II) (iff known) (use Table II)  1. Solid 1. Pounds 2. Liquid 2. Gallons 2 2 L UNINA No. (use Table II)  Storage location (be specific):  CHEMICAL/TRADE NAME:  Physical Unit of State Measure (use Table I) (use Table II) (iff known) (use Table II)  Storage location (be specific):  CHEMICAL/TRADE NAME:  HYDROGEN  Physical Unit of Avg City Code Maximum City Code (use Table II) (use Table II) (iff known) (use Table II)  CHEMICAL/TRADE NAME:  HYDROGEN  Physical Unit of Avg City Code Maximum City Code (use Table II) (iff known) (use Table II)  CHEMICAL/TRADE NAME:  HYDROGEN  Physical Unit of Avg City Code Maximum City Code (use Table II) (iff known) (use Table II)  1. Solid 1. Pounds 2 2 L UNIT NAME:  Physical Unit of Avg City Code Maximum City Code (use Table II) (iff known) (use Table II)  1. Solid 1. Pounds 2 L UNIT NAME:  Physical Unit of Avg City Code (use Table II) (use Table III) (iff known) (use Table III)  1. Solid 1. Pounds 2 L UNIT NAME:  Physical Unit of Avg City Code (use Table II) (use Table III) (iff known) (use Table III)	
Physical State Measure (use Table I) (use Table II) (use Table II) (if known) (use Table II)  1. Solid 1. Pounds (use Table I) (use Table II) (use Table II) (if known) (use Table II)  Storage location (be specific):    IN STEEL DRUMS JUST IN FRONT OF WAREHOUSE OUTSIDE	
State Measure (use Table I) (use Table II) (if known) (use Table II)  CHEMICAL/TRADE NAME: HELTUM  Physical Measure (use Table I) (use Table II) (if known) (use Table II)  1. Solid 1. Pounds (2) Gallons 3. Gas 3. Cubic Pt.  CHEMICAL/TRADE NAME: HELTUM  Physical Measure (use Table I) (use Table II) (if known) (use Table II)  1. Solid 1. Pounds 2. Liquid 2. Gallons 2 2	<del></del>
CHEMICAL/TRADE NAME:   HYDROGEN   CHEMICAL/TRADE NAME:   CHEMICAL/TRADE N	
3. Gas 3. Cubic Ft.  Storage location (be specific): IN STEEL DRUMS JUST IN FRONT OF WAREHOUSE OUTSIDE  CHEMICAL/TRADE NAME: HELTUM  Physical Unit of Avg Oty Code Maximum Qty Code (use Table I) (use Table II) (if known) (use Table II)  1. Solid 1. Pounds 2 2 2 UNIVNA No. 2.2 2 UNIVDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE  CHEMICAL/TRADE NAME: HYDROGEN  CHEMICAL/TRADE NAME: HYDROGEN  Physical Unit of Avg Qty Code Maximum Qty Code Storage Codes (CAS No. Hazard Class State Measure (use Table I) (use Table II) (use Table II) (if known) (use Table II)  1. Solid 1. Pounds 2 2 2 UNIVNA No. (use Table II) (use Ta	
Storage location (be specific):  IN STEEL DRUMS JUST IN FRONT OF WAREHOUSE OUTSIDE  CHEMICAL/TRADE NAME:  HELIUM  Physical Unit of State Measure (use Table I) (use Table II) (use Table II) (if known) (use Table II)  1. Solid 1. Pounds 2 2 2 UNI/NA No. 2. 2  CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE  CHEMICAL/TRADE NAME:  HYDROGEN  Physical Unit of Avg Qty Code Maximum Qty Code Storage Codes CAS No. Hazard Class (use Table II)  CHEMICAL/TRADE NAME:  HYDROGEN  Physical Unit of Avg Qty Code Maximum Qty Code Storage Codes CAS No. Hazard Class (use Table II) (use Table II) (use Table II) (use Table II)  1. Solid 1. Pounds 2 2 2 UNI/NA No. (use Table II) (use Table II) (use Table II)	
CHEMICAL/TRADE NAME:    HELTUM	
Physical Unit of Avg Qty Code Maximum Qty Code (use Table II)  1. Solid 1. Pounds 2. Liquid 2. Gallons 2 2 2 UNI/NA No.  Storage location (be specific):  CHEMICAL/TRADE NAME: HYDROGEN  Physical Unit of Avg Qty Code Maximum Qty Code (use Table II)	
State Measure (use Table I) (use Table II) (use Tab	
2. Liquid 2. Gallons 2 2 1 1 UN/NA No. 1046  Storage location (be specific): CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE  CHEMICAL/TRADE NAME: HYDROGEN  Physical Unit of State Measure (use Table I) (use Table I) (use Table II) (if known) (use Table II)  1. Solid 1. Pounds 2 2 2 1 UN/NA No.	lasses le III)
3 Gas 3 Cubic Ft.  Storage location (be specific): CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE  CHEMICAL/TRADE NAME: HYDROGEN  Physical Unit of Avg Qty Code Maximum Qty Code Storage Codes CAS No. Hazard Class State Measure (use Table I) (use Table II) (if known) (use Table II)  1. Solid 1. Pounds 2 2 2 L UN/NA No.	
Storage location (be specific):  CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE  CHEMICAL/TRADE NAME:  HYDROGEN  Physical Unit of Avg Qty Code Maximum Qty Code Storage Codes CAS No. Hazard Class State Measure (use Table I) (use Table II) (if known) (use Table II)  1. Solid 1. Pounds 2 2 2 L UN/NA No.	
CHEMICAL/TRADE NAME: HYDROGEN  Physical Unit of Avg Qty Code Maximum Qty Code Storage Codes CAS No. Hazard Class State Measure (use Table I) (use Table II) (if known) (use Table II)  1. Solid 1. Pounds 2 2 2 L UN/NA No.	
CHEMICAL/TRADE NAME: HYDROGEN  Physical Unit of Avg Qty Code Maximum Qty Code Storage Codes CAS No. Hazard Class State Measure (use Table I) (use Table II) (if known) (use Table II)  1. Solid 1. Pounds 2 2 2 L UN/NA No.	·
Physical Unit of Avg Qty Code Maximum Qty Code Storage Codes CAS No. Hazard Class State Measure (use Table I) (use Table II) (use Table II) (if known) (use Table II)  1. Solid 1. Pounds 2 2 2 UN/NA No.	
Physical Unit of Avg Qty Code Maximum Qty Code Storage Codes CAS No. Hazard Class State Measure (use Table I) (use Table II) (if known) (use Table II II) (use Table II) (u	
2. Liquid 2. Gallons 2 L L L UN/NA No. UN/NA No.	
2. Liquid   2. Gallons	
3 Gas 3 Cubic Ft. UN/1049	
Storage location (be specific): CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE	
CHEMICAL/TRADE NAME:OXVGEN	
Physical Unit of Avg Qty Code Maximum Qty Code Storage Codes CAS No. Hazard Class State (use Table I) (use Table I) (use Table II) (use Table II)	
1. Solid 1. Pounds 7782-44-7	
2. Liquid 2. Gallons 2 2 L UN/NA No. 5.1	
(3) Gas (3.) Cubic Ft. 1072	·
Storage location (be specific): IN MAINTENANCE SHOP IN REAR OF BUILDING 1 CYLINDER ON PORTABLE CART IN FROM OF SHOP INSIDE	RT
ECTION D: (Certification)	
ertify that the information provided in this form is complete and correct to the best of my knowledge.	
Signature: John a Offord	
Name: JOHN A OXFORD	
Title: Plant Mgr.	
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# OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE EMPLOYER SURVEY

NERAL INFORMAT  No hazardous materials requirements. (Con	CION (Check the both 2 and rials are used at this samplete Section B)(Security are used at this security are used at this security)	boxes as appro 3 would be cho nis site in any wasite by our com See Questions site by our busi	vay. (Complete Section pany, but do not meet and Answers for report iness in reportable qual	: B) reporting ting requirements)
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that apply to site (if			nformation)	
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	/_17_/_89_	) DUNN &	BRADSTREET 02-7	773-4359
VAME: JOHN OXFO	RD			
AME: KOPPERS C	OMPANT, INC.			
	-	,	•	
SS: 7540 NW ST	HELENS RD			
		OR C	OUNTY: MIII.TINOMAH	ZIP: 97210
				, 3,210
· · · · · ·	•	ELENS RD		
		-	OUNTY: MIII.THOMAH	ZIP: <b>97210</b>
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ERGENCY PROCED	OURES	ry)		
	SS: 7540 NW ST FLAND HONE: (503 )28 DRESS:(if different) FLAND EMPLOYEES AT THE Y ASSISTANCE CON HONE(S): (503) LE FIRE DEPARTME	SS: 7540 NW ST HELENS RD  FLAND STATE: HONE: (503 ) 286-3681  DRESS: (if different) 7540 NW ST HI FLAND STATE: FEMPLOYEES AT THIS SITE: Y ASSISTANCE CONTACT FOR THIS HONE(S): (503) 286-3681 DA LE FIRE DEPARTMENT: HERGENCY PROCEDURES	SS: 7540 NW ST HELENS RD  FLAND STATE: OR COMMENT HONE: (503) 286-3681  DRESS: (if different) 7540 NW ST HELENS RD  FLAND STATE: COMPLOYEES AT THIS SITE: 9  Y ASSISTANCE CONTACT FOR THIS SITE(NAME): HONE(S): (503) 286-3681 DAY (-1) LE FIRE DEPARTMENT:	SS: 7540 NW ST HELENS RD  FLAND STATE: OR COUNTY: MULTNOMAH  HONE: (503 ) 286-3681  DRESS: (if different) 7540 NW ST HELENS RD  FLAND STATE: COUNTY: MULTNOMAH  EMPLOYEES AT THIS SITE: 9  Y ASSISTANCE CONTACT FOR THIS SITE(NAME): JOHN OXFORD  HONE(S): (503) 286-3681 DAY (-503-) 254-8011  LE FIRE DEPARTMENT:  ERGENCY PROCEDURES

DUPLICATE THIS FORM FOR EACH SITE

will be contacted to answer any questions needing clarification.

SHFFT 1

CHEMICAL NAME/TRADE NAME: COAL TAR PITCH IRRECT PHYSICAL UNIT OF MAX.OTY. AMT.USED NUMBER DAYS STORAGE CODE AVG.QTY. ON HAND HAZARD CAS NO.(IF KNOWN) SHOWN <u>0000000000</u> USE TABLE I USE TABLE I USE TABLE I 3 DIGIT NO. USE TABLE IV 65996-932 1 1 ORRECTIONS 000 3.2 0. 5 5 S INDICATED UN/NA NO. 1 SOLID 4 PURE 1 POUNDS  $\mathbb{Z}$ 0000 3 2 LIQUID 5 MIX 2 GALLONS |3 | 6 | 5 ELETE 3 CUBIC FT. STORAGE LOCATION (BE SPECIFIC) PITCH STORAGE BLDG CHEMICAL NAME/TRADE NAME: CREOSOTE CORRECT MAX.QTY. CODE PHYSICAL STATE UNIT OF MEASURE AVG.QTY. AMT.USED PER YEAR STORAGE CODE (USE TABLE II & III) HAZARD CLASSES NUMBER DAYS CAS NO.(IF KNOWN) AS SHOWN ON SITE 0008001589 USE TABLE I USE TABLE I USE TABLE 3 DIGIT NO USE TABLE IV 2 CORRECTIONS ٥. 4 5 000 4.2 AS INDICATED UN/NA NO. 1 SOLID 4 PURE 1 POUNDS  $\Box$ D 2 LIQUID 5 MIX 2 GALLONS 3 6 5 1993 5 DELETE 3 GAS 3 CUBIC FT. 9188 STORAGE LOCATION (BE SPECIFIC) TANK FARM, LABORATORY IN REAR SAMPLI WAREHOUSE IN FRONT JUST INSIDE DOOR LABORATORY IN REAR SAMPLE ROOM. IN CHEMICAL NAME/TRADE NAME: DIESEL #2 AMT.USED PER YEAR CORRECT UNIT OF AVG.QTY. ON HAND MAX.QTY. NUMBER DAYS STORAGE CODE HAZARD PHYSICAL CAS NO.(IF KNOWN) AS SHOWN ON SITE (USE TABLE II & III) CLASSES 000000000 USE TABLE I USE TABLE USE TABLE IV USE TABLE I 3 DIGIT NO. 2 2 CORRECTIONS വവ 3.3 0 ο. AS INDICATED 1 UN/NA NO. 1 SOLID 4 PURE 1 POUNDS X 1993 2 LIQUID 5 MIX 2 GALLONS 3 6 DELETE 3 CUBIC FT 3 GAS STORAGE LOCATION (BE SPECIFIC) IN STEEL DRUMS JUST IN FRONT OF WAREHOUSE OUTSIDE CHEMICAL NAME/TRADE NAME HELIUM CORRECT PHYSICAL STATE UNIT OF MEASURE AVG.QTY. ON HAND AMT.USED PER YEAR NUMBER DAYS STORAGE CODE HAZARD CLASSES CAS NO.(IF KNOWN) MAX.QTY. AS SHOWN ON SITE 0007440597 USE TABLE I USE TABLE 3 DIGIT NO. USE TABLE IV USE TABLE I 3 3 CORRECTIONS 000 2.2 0. 1 AS INDICATED UN/NA NO. 1 SOLID 4 PURE 1 POUNDS X $I_{-}$ 3 6 5 1046 2 LIQUID 5 MIX 2 GALLONS DELETE 3 GAS 3 CUBIC FT STORAGE LOCATION (BE SPECIFIC) CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE CHEMICAL NAME/TRADE NAME: HYDROGEN AVG.QTY. ON HAND AMT.USED PER YEAR HAZARD CAS NO.(IF KNOWN) CORRECT PHYSICAL STATE UNIT OF MAX.OTY. NUMBER DAYS STORAGE CODE AS SHOWN MEASURE ON SITE TABLE II & III) 0001333740 USE TABLE I USE TABLE I USE TABLE 3 DIGIT NO. LISE TABLE IV 3 3 CORRECTIONS 2.1 34 000 0.-1 1 UN/NA NO. AS INDICATED 4 1 SOLID 4 PURE 1 POUNDS X1049 3 6 2 LIQUID 5 MIX 2 GALLONS DELETE 3 GAS 3 CUBIC FT STORAGE LOCATION (BE SPECIFIC) CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE CHEMICAL NAME/TRADE NAME: OXYGEN PHYSICAL STATE AVG.QTY. ON HAND AMT.USED PER YEAR STORAGE CODE (USE TABLE II & III) HAZARD CLASSES CORRECT UNIT OF MAX.QTY. NUMBER DAYS CAS NO.(IF KNOWN) MEASURE AS SHOWN CODE ON SITE 0007782447 USE TABLE I USE TABLE IV USE TABLE USE TABLE 3 DIGIT NO 3 3 CORRECTIONS 5.1 000 2.2 AS INDICATED UN/NA NO. 1 SOLID 4 PURE 1 POUNDS ¥. 1072 2 LIQUID 5 MIX 6 2 GALLONS DELETE 3 CUBIC FT. 3 GAS STORAGE LOCATION (BE SPECIFIC) IN MAINT SHOP IN REAR OF BLDG 1
PORTABLE CART IN FROM OF SHOP I CYLINDER ON

KOPPERS COMPANT, INC. 7540 NW ST HELENS RD PORTLAND, OR 97210 MULTNOMAH

ACCOUNT NUMBER 006202 SHEET 2 CHEMICAL NAME/TRADE NAME: SODIUM BISULFITE AVG.QTY. ON HAND AMT.USED PER YEAR STORAGE CODE (USE TABLE II & III) HAZARD CLASSES CORRECT PHYSICAL UNIT OF MAX.QTY. NUMBER DAYS CAS NO.(IF KNOWN) AS SHOWN STATE CODE ON SITE 0007631905 USE TABLE I USE TABLE | USE TABLE | 3 DIGIT NO. USE TABLE IV CORRECTIONS 000 9.0 0. 3 3 UN/NA NO. AS INDICATED 1 SOLID 4 PURE 1 POUNDS 2693 2 LIQUID 5 MIX 2 GALLONS DELETE 3 GAS 3 CUBIC FT. X STORAGE LOCATION (BE SPECIFIC) IN WAREHOUSE ALONG SOUTH AND NORTH WALLS CHEMICAL NAME/TRADE NAME SODIUM SULFITE PHYSICAL STATE UNIT OF MEASURE MAX.QTY. CODE AMT.USED PER YEAR NUMBER DAYS ON SITE STORAGE CODE (USE TABLE || & |||) CORRECT AVG.QTY. ON HAND HAZARD CAS NO.(IF KNOWN) AS SHOWN <u>0007757837</u> USE TABLE IV USE TABLE USE TABLE USE TABLE 3 DIGIT NO. CORRECTIONS 1 1 000 AS INDICATED UN/NA NO. 1 SOLID 4 PURE 1 POLINDS X 0000 2 LIQUID 5 MIX 2 GALLONS DELETE 3 GAS 3 CUBIC FT STORAGE LOCATION (BE SPECIFIC) TIN WAREHOUSE -IN-REAR-AND -MIDDLE -AREAS -TN. BOILER ROOMFAST CHEMICAL NAME/TRADE NAME TAR REFINED CORRECT PHYSICAL STATE UNIT OF MEASURE AVG.QTY. ON HAND MAX.QTY. AMT.USED PER YEAR NUMBER DAYS ON SITE STORAGE CODE (USE TABLE II & III) HAZARD CAS NO.(IF KNOWN) CLASSES AS SHOWN 0065996932 USE TABLE USE TABLE USE TABLE USE TABLE IV 2 2 CORRECTIONS 000 ٥. AS INDICATED UN/NA NO. 1 SOLID 4 PURE 1 POUNDS  $\mathbf{x}$ 0000 2 LIQUID 5 MIX 2 GALLONS 3 6 DELETE 3 GAS 3 CUBIC FT STORAGE LOCATION (BE SPECIFIC) RAIL TRACK #5 BY PITCH STORAGE BLDD, #17TH I FARM, IN WAREHOUSE, IN FROM JUST INSIDE DOOR #17TH IN TANK IN WAREHOUSE, FROM JUST CHEMICAL NAME/TRADE NAME INED C AMT.USED PER YEAR RFI MAX.QTY. <u>U I NO L I N I</u> NUMBER DAYS STORAGE CODE (USE TABLE II & III) CORRECT UNIT OF AVG.QTY. ON HAND HAZARD CAS NO.(IF KNOWN) PHYSICAL STATE AS SHOWN MEASURE USE TABLE I USE TABLE I USE TABLE 3 DIGIT NO. USE TABLE IV 2 91-22-5 2 CORRECTIONS AS INDICATED UN/NA NO. 1 SOLID 4 PURE 1 POUNDS X. 8.0 00 00 2 LIQUID 5 MIX 2 GALLONS 00 6 5 DELETE 3 GAS 3 CUBIC FT. 1760 IN WAREHOUSE T INSIDE OF MAIN DOOR O NO MORE THAN 5 GALLONS ON NORTHEAST STORAGE LOCATION (BE SPECIFIC) \_ JIISTOF BUILDING. ALSO IN LABRATORY PRESENT CHEMICAL NAME/TRADE NAME: XYLENE UNIT OF CORRECT PHYSICAL AVG.QTY. ON HAND MAX.QTY. AMT.USED PER YEAR NUMBER DAYS STORAGE CODE HAZARD CAS NO.(IF\_KNOWN) MEASURE AS SHOWN STATE CODE ON SITE USE TABLE II & III) CLASSES USE TABLE USE TABLE ! USE TABLE 3 DIGIT NO. USE TABLE IV 2 CORRECTIONS AS INDICATED UN/NA NO. 1 SQUID 4 PURE 1 POUNDS 3.3 2 LIQUID 5 MIX 2 GALLONS 00 00 00 6 5 DELETE 3 CUBIC FT. 1307 ENDSTORAGE LOCATION (BE SPECIFIC) IN A METALDRUMOUTSIDE WESTOFLABROTORY IN CARBOY INSIDE T.A. BROTORY CHEMICAL NAME/TRADE NAME PERCHLOROETHYLENE

STORAGE LOCATION (BE SPECIFIC) IN METAL DRUM OUTSIDE WEST END OF LABROTORY

AMT.USED

PER YEAR

00

NUMBER DAYS

3 DIGIT NO

6 5

STORAGE CODE

(USE TABLE II & III)

AVG.QTY. ON HAND

LISE TABLE I

00

UNIT OF

2

1 POUNDS

2 GALLONS

3 CUBIC FT

MEASURE

CORRECT

X

DELETE

AS SHOWN

CORRECTIONS AS INDICATED PHYSICAL STATE

1 SOLID 4 PURE

2 LIQUID 5 MIX

3 GAS

2

MAX.QTY.

00

LISE TABLE I LISE TABLE I

KOPPERS COMPANT, INC. 7540 NW ST HELENS RD PORTLAND, OR 97210 MULTNOMAH

HAZARD

USE TABLE IV

9.0

CAS NO.(IF KNOWN)

1<u>27-18-</u>

UN/NA NO.

ACCOUNT NUMBER 006202 3 SHEET CHEMICAL NAME/TRADE NAME: ACETONE NUMBER DAYS STORAGE CODE CORRECT **PHYSICAL** UNIT OF AVG.QTY. ON HAND MAX.QTY. CODE AMT.USED PER YEAR HAZARD CAS NO.(IF KNOWN) AS SHOWN USE TABLE II & III) ON SITE USE TABLE I USE TABLE I USE TABLE I 3 DIGIT NO. USE TABLE IV 2 2 CORRECTIONS <u>67-64-1</u> AS INDICATED UN/NA NO. 1 SOLID 4 PURE 1 POUNDS [Z 3.1 2 LIQUID 5 MIX 2 GALLONS 00 00 00 DELETE 3 GAS 3 CUBIC FT. STORAGE LOCATION (BE SPECIFIC) IN LABORATORY AT WEST END OF BUILDING CHEMICAL NAME/TRADE NAME: SODIUM HYDROXIDE PHYSICAL STATE AVG.QTY. ON HAND UNIT OF MAX.QTY. AMT.USED PER YEAR NUMBER DAYS CORRECT STORAGE CODE HAZARD CAS NO.(IF KNOWN) AS SHOWN MEASURE ON SITE USE TABLE II & III) USE TABLE I USE TABLE I LISE TABLE I 3 DIGIT NO USE TABLE IV 1 1310732 1 CORRECTIONS AS INDICATED UN/NA NO. 1 SOLID 4 PURE 1 POUNDS w 8.0 2 LIQUID 5 MIX 2 GALLONS DELETE 3 GAS 3 CUBIC FT 1823 INSTORAGE LOCATION (BE SPECIFIC) BOILER ROOM EAST END GASOLINE CHEMICAL NAME/TRADE NAME AVG.QTY. ON HAND CORRECT **PHYSICAL** UNIT OF MAX.QTY. CODE AMT.USED PER YEAR NUMBER DAYS STORAGE CODE HAZARD CAS NO.(IF KNOWN) MEASURE ON SITE TABLE II & III CLASSES AS SHOWN USE TABLE I USE TABLE I USE TABLE I 3 DIGIT NO. USE TABLE IV 2 2 8006-61-9 CORRECTIONS AS INDICATED UN/NA NO. 1 SOLID 4 PURE 1 POUNDS 00 00 01 3 6 5 2 LIQUID 5 MIX 2 GALLONS 1203 DELETE 3 GAS 3 CUBIC FT. STORAGE LOCATION (BE SPECIFIC)  $\frac{IN}{BUILDING}$ END $\overline{OF}$ WAREHOUSE SOUTH EAST INSTOREAGE ROOMCHEMICAL NAME/TRADE NAME ACETYLENEAMT.USED PER YEAR CORRECT PHYSICAL STATE UNIT OF AVG.QTY. ON HAND MAX.QTY. CODE NUMBER DAYS ON SITE STORAGE CODE (USE TABLE II & III) HAZARD CAS NO.(IF KNOWN) MEASURE AS SHOWN CLASSES USE TABLE I USE TABLE I USE TABLE 3 DIGIT NO. USE TABLE IV 3 3 74-86-2 CORRECTIONS AS INDICATED UN/NA NO. 1 SOLID 4 PURE 1 POUNDS X 02 3 6 5. 2.1 2 LIQUID - 5 MIX 2 GALLONS 01 01 DELETE 3 GAS 3 CUBIC FT. 1001 CYLINDER IN MAINTENANCE SHOPIN REAR OFBUILDING . 1 STORAGE LOCATION (BE SPECIFIC) ON PORTABLE CART SHOP INSIDE . IN FRONT OF MOTOR OIL CHEMICAL NAME/TRADE NAME CORRECT NUMBER DAYS CAS NO.(IF KNOWN) UNIT OF AVG.QTY. ON HAND MAX.QTY. AMT.USED STORAGE CODE HAZARD PHYSICAL AS SHOWN STATE CODE PER YEAR ON SITE (USE TABLE II & III) CLASSES USE TABLE USE TABLE I USE TABLE 3 DIGIT NO. LISE TABLE IV CORRECTIONS AS INDICATED UN/NA NO. 1 SOLID 4 PURE 1 POUNDS X 00 00 00 3 6 9.0 2 LIQUID 5 MIX 2 GALLONS DELETE 3 GAS 3 CUBIC FT ROOM IN WAREHOUSE SOUTH EAST ENDOFSTORAGE LOCATION (BE SPECIFIC) IN OILSTORAGEBUILDING. CHEMICAL NAME/TRADE NAME PHYSICAL STATE UNIT OF MEASURE AVG.QTY. ON HAND MAX.QTY. CODE AMT.USED PER YEAR NUMBER DAYS ON SITE STORAGE CODE HAZARD CLASSES CORRECT CAS NO.(IF KNOWN) AS SHOWN USE TABLE I USE TABLE I USE TABLE 3 DIGIT NO. USE TABLE IV CORRECTIONS AS INDICATED UN/NA NO. 1 SOLID 4 PURE 1 POUNDS  $\Box$ 2 LIQUID 5 MIX 2 GALLONS

DELETE

3 GAS

3 CUBIC FT.

STORAGE LOCATION (BE SPECIFIC)

KOPPERS COMPANT, INC. 7540 NW ST HELENS RD PORTLAND, OR 97210 MULTNOMAH

# RETAIN THIS PORTION OF THE FORM FOR FUTURE USE

### OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE EMPLOYER SURVEY

				EM	IPLOYER	SURV	/EY	•				
	ANCY CODE e use only)	::	K	EEP THIS S	HEET FOR	FUTU	IRE CH	ANGES		ATUS CO	DE:	
Within 15	<u>-</u>	of the fol Section (37	lowing eve 78-2885) to	ents, any co update the	overed emp	loyer Surve	shall c	contact the Ore				
SECTION A			,	•			,			•		
······································	■ :e Sections A	•	nanges 1-	5 below)	ř							
1	Chang	ge of busin	ness addre	ess	4	c	essatio	on of business	operation	s		
	Chang				5			ition, deletion	or change	to existin	g SIC codes	
	Chang	_				fc	or the b	ousiness				
	te <u>all</u> sections	_	_									
б	•	nificant qu ted materia	-	ange (one	or more qu	antity	/ range	e steps) has o	ccurred to	r a previo	ousiy	
7	A new			is introduc	ed at your	busin	ess lo	cation				
SECTION B	(please pr	ovide the f	following i	nformation	)							
1. S	SIC CODE(S) t	that apply	to location	n (if known)	: SIC 1		_ SIC	2				
2. [	DATE FORM (	COMPLETE	ED:		DUN 8	BRAD	STREET	NO.			77	
3. E	EMPLOYER N	AME:										
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	BUSINESS PH			· • · · · · · · · · · · · · · · · · · ·	000111	•		211				
SECTION D	0.15141644				***							
CORRECT AS SHOWN	CHEMICAL N	UNIT OF	AVG. QTY.	MAX. QTY.	AMT. USED   N	JMBER	DAYS:	STORAGE CODE		ZARD	CAS NO. (IF KNOWN)	_
$\square$ .	STATE	MEASURE	ON HAND USE TABLE I		PER YEAR SE TABLE I	ON SI		(USE TABLE II & III)		SSES ABLE IV		— 1
CORRECTIONS AS INDICATED	1 SOLID 4 PURE	1 1							]	H	UN/NA NO.	
DELETE	2 LIQUID 5 MIX 3 GAS	2 GALLONS 3 CUBIC FT.					Ш					7
U	STORAGE LOCA	TION (BE SPE	CIFIC)									_
			•									_
TAF	RIFS	ΤΛ	RF	IISFI	) FO	R	FC	)RM (	MU.	PIF	TINN	
TABLE I - REP								<u> </u>				
Range	UKIING KANG	E9		- STORAGE (					I IABLE III	TEMPERA - PRESSUR	IE CONDITIONS	
Value From				ype of Storag			_		Codes	Storage Con	ditions	
00 0 01 100	99 999			Aboveground t Inderground t		J K	<pre>= Bag = Box</pre>			(PRESSURE)		_
02 1,000	9,999		ì	Tank inside bu		· [	= Cylin			Ambient pre	ssure ambient pressure	
03 10,000 04 100.000	99,999 999,999	 	D = 8	Steel drum	Ū	M	= Glas	s bottles or jugs	3 -		mbient pressure	
05 1,000,0	9,999,99	99		Plastic or non-	metallic drum	N		tic bottles or jugs	1	(TEMPERATI		
06 10,000, 07 50,000,			l	Can Carboy		0 P	= Tote	k wagon		Ambient tem Greater than	nperature 1 ambient temperatu	ıre
08 100,000	0,000 499,999	,999	H = 9	,	,	Q	= Railo	•	1	Less than ar	mbient temperature	
09 500,000 10 1 billion		,999 nan 1 billion	1 = F	iber drum		R	= Othe	er	7	but not c Cryogenic co	cryogenic anditions	
TABLE IV - CH			I IFICATIONS	3				<del></del>		EXAM		
(1.1) Class A Ex	cplosives	(3.1) Flamr	mable Liq. (	FP<0°F)	(5.	2) Orga	anic Perd	oxides			n building is kept i	n
(1.2) Class B Ex	cplosives	(3.2) Flamr	mable Liq. (	0°F <fp<73°f< td=""><td>(6.</td><td>) Pois</td><td>onous N</td><td>laterials</td><td></td><td></td><td>ng, at ambient</td><td></td></fp<73°f<>	(6.	) Pois	onous N	laterials			ng, at ambient	
(1.3) Class C Ex	plosives	(3.3) Flamr	m. Liq. (73°	<fp<141°f)< td=""><td>(6.</td><td>2) Étiol</td><td>ogic Ma</td><td>terials</td><td></td><td></td><td>ambient temperatur</td><td></td></fp<141°f)<>	(6.	2) Étiol	ogic Ma	terials			ambient temperatur	
(1.4) Blasting A	-	, .	mable Solids		(6.	3) Acut	te Health	n Hazard	1		the code for a tank	
(1.5) Insensitive		•	oustible Mate					lth Hazard			Table III shows you ressure is 1, and t	
(2.1) Flammable			erous When	Wet				Materials	1	•	ient temperature is	
<ol> <li>2.2) Nonflamma</li> <li>2.3) Poison Gas</li> </ol>		(4.4) React (5.1) Öxidiz			•		osives	Materials	You renter:	C 1	6	
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# Executive Department

# STATE FIRE MARSHAL

3000 MARKET STREET PLAZA - SUITE 534 SALEM, OREGON 97310-0198 Fire Marshal 378-FIRE Chief Deputy 378-2848 Adminstrator 378-4530 Accred./Standards 378-2871 Admin. Services 373-1276 Codes/Institutions 378-4917 Data/Public Ed. 378-4464 Fire Prev./Invest. 378-4917 Hazardous Material 378-2885 Licensing/Permits 373-1871 Training 378-5210

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Sincerely.

Olin L. Greene State Fire Marshal

OLG:kh1195H Enclosure

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KOPPERS COMPANT, INC. 7540 NW ST HELENS RD PORTLAND, OR 97210

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# RETAIN THIS PORTION OF THE FORM FOR FUTURE USE

### OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE FMPLOYER SURVEY

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	ANCY CODE:		K	EEP THIS S	HEET FO	R FUTU	RE C	HANGES		ATUS C	ODE:	
Within 15		of the foll	owing eve	ents, any c	overed er	nployer er Surve	shall v For	contact the Ore	<del></del>			
	(check on		<b>3 2</b> 000) (0	apaute tin	5 Ziji <b>p</b> io).	31 00170	,					
**	e Sections A		2000 1 F	Shalaw)								
	e sections A Chang		_		4	C	essat	tion of business	oneration	s		
	Chang							dition, deletion			ing SIC codes	
	Chang					fo	or the	business				
(Complet	te <u>all</u> sections	for chang	es 6-7 be	low)								
6	•	nificant qu ed materia	-	ange (one	or more	quantit	y ran	ge steps) has o	ccurred fo	or a prev	viously	
	A new	hazardou	s material	is introdu	ced at yo	ur busir	iess l	ocation				
SECTION B	(please pro	ovide the f	ollowing i	nformation	n)							
	SIC CODE(S) t	hat apply	to locatio	n (if knowr	): SIC 1		_ SI	IC 2	•			
	DATE FORM (										· ·	
	EMPLOYER N							ET NO.				
5.	LOCATION AD	DRESS:										
1	CITY:		STA	ΓΕ:	COU	1TY:		ZIP:				
	BUSINESS PF	IONE:									<del></del>	
SECTION D	CHEMICAL N	A MAE/TE A DI	E NIANZE:									
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	STATE	MEASURE	USE TABLE I	USE TABLE I	USE TABLE I	ON S		(USE TABLE II & III		ASSES TABLE IV	-	
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	PORTING RANG			- STORAGE			<u> </u>		<del></del>		RATURE AND	-
Range Value From.	To		Code	Type of Store						PRESS	URE CONDITION	S
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05 1,000	,000 9,999,9	99		Plastic or no	n-metallic o	Irum N O		Plastic bottles or jugs Fotebin		(TEMPER	•	
06 10,00 07 50,00			1	Can Carboy		P		Tank wagon	4 5	_	temperature han ambient temp	eratur
08 100,0			1	Silo		ā		Railcar	6		n ambient tempera	
09 500,0				Fiber drum		R	= (	Other	7		not cryogenic	
TABLE IV C		han 1 billion	<u> </u>	<u> </u>						. •	c conditions AMPLE:	
	CHEMICAL HAZ								7			سا هسد
(1.1) Class A			nmable Liq.					Peroxides			main building is k iilding, at ambient	
(1.2) Class B				(0°F <fp<73< td=""><td></td><td></td><td></td><td>s Materials</td><td></td><td></td><td>han ambient tempe</td><td></td></fp<73<>				s Materials			han ambient tempe	
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(1.4) Blasting	-	, ,	nmable Solid					ealth Hazard	1		that the code for a C. Table III shows	
	ve Explosives		bustible Ma					Health Hazard		-	nt pressure is 1,	-
2.1) Flammat			gerous Whe					ive Materials	L		ambient temperatu	
2.2) Nonflami		•	ctive Materia	11		(8.0) Co			You ente	r: C	1 6	
2.3) Poison G	ases	(5.1) Oxid	ızers			(9.0) M	isc. Ha	az. Materials	1 . 55 61110	. (2)	ت ت	



# Executive Department

# STATE FIRE MARSHAL

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OLG:kh1195H Enclosure

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KOPPERS COMPANT, INC. 7540 NW ST HELENS RD PORTLAND, OR 97210

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	CHEMICAL NA	ME/TRAI	DE NAME	: COAL	TAR PIT	CH		SH	HEET 1
CORRECT	RHYSICAL	UNIT OF MEASURE	AVG.QTY.	MAX.QTY.	AMT.USED PER YEAR	NUMBER DAYS	STORAGE CODE (USE TABLE II & III)	HAZARD	CAS NO.(IF KNOWN)
S SHOWN	STATE	MEASURE	ON HAND USE TABLE I	USE TABLE I	USE TABLE I	ON SITE 3 DIGIT NO.	(USE TABLE II & III)	CLASSES USE TABLE IV	0000000000
ORRECTIONS	ı	1	_	_		000		2.2	65996-93-2
S INDICATED	1 SOLID 4 PURE	1 POUNDS		5		000 365	R  +  - -	3.2 0.	UN/NA NO. 0000
ELETE	2 LIQUID 5 MIX 3 GAS	2 GALLONS   3 CUBIC FT.	L	L		365		L	0000
] '	70040540047101	ADE ODEOLEIO	DIMCU	ETIOD A CE	BI DC				
;	STORAGE LOCATION	(BE SPECIFIC)	PLICE	STURAGE	BLIUG				
	CHEMICAL N	AME/TRA	DE NAME	: CREOS	OTE		•		
CORRECT AS SHOWN	PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
as shown	OTATE	MERIOCHE	USE TABLE I	USE TABLE I		3 DIGIT NO.	(OGE TYBEE II W III)	USE TABLE IV	0008001589
CORRECTIONS AS INDICATED	2	2 .	. 4	5		000		4.2 0.	UN/NA NO.
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DELETE	3 GAS	3 CUBIC FT.	الــــنــــا	1					9188
	STORAGE LOCATION	(BE SPECIFIC	אאאיי א	ARM. I.A	BORATOR	Y IN BEAR	SAMPLE ROOM, IN		
		(22 3: 23::13				IST INSIDE		· · · · · · · · · · · · · · · · · · ·	
	CHEMICAL N	AME/TRA	DE NAME	: DIESE	EL #2				
CORRECT AS SHOWN	PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. _CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
	2		USE TABLE I	USE TABLE	USE TABLE	3 DIGIT NO.		USE TABLE IV	0000000000
CORRECTIONS AS INDICATED	1 SOLID 4 PURE	2 1 POUNDS	0	1		000		3.3 0.	UN/NA NO.
<b>X</b>	2 LIQUID 5 MIX	2 GALLONS			01	365			1993
DELETE	3 GAS	3 CUBIC FT.			<u> </u>				
	STORAGE LOCATION	(BE SPECIFIC	IN STE	EL DRUM	s just	IN FRONT O	F WAREHOUSE OUT	CSIDE	
		· · · ·							·
	OUENION N	A	DE 11414						
CORRECT	CHEMICAL N	AIVIE/TRA	AVG.QTY.	MAX.QTY.	AMT.USED	NUMBER DAYS	STORAGE CODE	HAZARD	CAS NO.(IF KNOWN)
AS SHOWN	STATE	MEASURE	ON HAND	USE TABLE	PER YEAR	ON SITE	(USE TABLE II & III)	CLASSES USE TABLE IV	0007440597
CORRECTIONS	3	3	1		,	·			
AS INDICATED	1 SOLID 4 PURE	1 POUNDS				000	1 2 4	2.2 0.	UN/NA NO.
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	STORAGE LOCATION	L (BE CDECIE)	V CULTNE	DED MOILE	מס מששו	COURT CIDE	OF LABORATORY	Pr DC	<u> </u>
	STORAGE LOCATION	(DE SPECIFIC	OUTSII		TED ON	SUBIR SIDE	OF LABORATORY	PLING	
	CHEMICAL N	AME/TRA	DE NAM	E: HYDRO	OGEN				
CORRECT AS SHOWN	PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY.	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
	3	3	USE TABLE	USE TABLE				USE TABLE IV	0001333740
CORRECTIONS AS INDICATED	1 SOLID 4 PURE	1 POUNDS	1	1		000		2.1 0.	UN/NA NO.
AS INDICATED	2 LIQUID 5 MIX	2 GALLONS			01	365			1049
DELETE	3 GAS	3 CUBIC FT.							
	STORAGE LOCATION	N (BE SPECIFIC			TED ON	SOUTH SIDE	OF LABORATORY	BLDG	
			OUTSII	DE				17	
	0.150						the state of the s		
CORRECT	CHEMICAL N	IAME/TRA		T		T WHAPED BAYS	STORAGE CODE	1 1147488	1 010 110 45 (110)
AS SHOWN	PHYSICAL STATE	MEASURE	AVG.QTY. ON HAND	MAX.QTY.	AMT.USED PER YEAR	ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN) 0007782447
CORRECTIONS	3	3	USE TABLE		USE TABLE			USE TABLE IV	000,702447
AS INDICATED	1 SOLID 4 PURE	1 POUNDS	1_1_	1	<b>B</b>	000	L 2 4	5.1 2.2	UN/NA NO.
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	L	<del></del>	<u> </u>					<u> </u>	11
	STORAGE LOCATION	V (BE SPECIFI				R OF BLDG	1 CYLINDER ON	· · · · · · · · · · · · · · · · · · ·	<del> </del>

KOPPERS COMPANT, INC. 7540 NW ST HELENS RD PORTLAND, OR 97210 MULTNOMAH

ACCOUNT NUMBER 006202 2 SHEET CHEMICAL NAME/TRADE NAME: SODIUM BISULFITE NUMBER DAYS CORRECT AVG.QTY. ON HAND AMT.USED PER YEAR STORAGE CODE HAZARD CAS NO.(IF KNOWN) MAX.QTY. CLASSES AS SHOWN ON SITE 0007631905 USE TABLE I USE TABLE I USE TABLE I 3 DIGIT NO. USE TABLE IV 1 CORRECTIONS 9.0 0. 3 3 000 UN/NA NO. AS INDICATED 1 SOLID 4 PURE 1 POUNDS 2693 2 LIQUID 5 MIX 2 GALLONS PELETE 3 CUBIC FT. 3 GAS STORAGE LOCATION (BE SPECIFIC) IN WAREHOUSE ALONG SOUTH AND NORTH WALLS SODIUM SULFITE CHEMICAL NAME/TRADE NAME: CORRECT PHYSICAL STATE UNIT OF AVG.QTY. ON HAND MAX.QTY. AMT.USED PER YEAR NUMBER DAYS STORAGE CODE (USE TABLE II & III) CAS NO.(IF KNOWN) AS SHOWN MEASURE CODE ON SITE CLASSES 0007757837 3 DIGIT NO. USE TABLE I USE TABLE I USE TABLE I USE TABLE IV 1 CORRECTIONS 000 9.0 ٥. ہتے۔ UN/NA NO. AS INDICATED 1.SOLID 4 PURE 1 POUNDS 2 GALLONS 0000 2 LIQUID 5 MIX ETE 3 GAS 3 CUBIC FT. STORAGE LOCATION (BE SPECIFIC) IN WAREHOUSE IN REAR AND MIDDLE AKEAS CHEMICAL NAME/TRADE NAME: TAR REFINED AVG.QTY. ON HAND MAX.QTY. CODE AMT.USED PER YEAR HAZARD CLASSES CORRECT NUMBER DAYS CAS NO.(IF KNOWN) AS SHOWN ON SITE 0065996932 USE TABLE USE TABLE I USE TABLE 3 DIGIT NO. USE TABLE IV 2 2 CORRECTIONS 3 000 3 4.2 0. AS INDICATED UN/NA NO. 1 SOLID 4 PURE 1 POUNDS 365 0000 2 LIQUID 5 MIX 2 GALLONS DELETE 3 CUBIC FT. 3 GAS STORAGE LOCATION (BE SPECIFIC) RAIL TRACK #5 BY PITCH STORAGE BLDD. #17TH I FARM, IN WAREHOUSE, IN FROM JUST INSIDE DOOR IN TANK CHEMICAL NAME/TRADE NAME: REFINES QUINOLINE NUMBER DAYS CORRECT PHYSICAL STATE LINIT OF AVG.QTY. ON HAND MAX.QTY. AMT.USED STORAGE CODE HAZARD CAS NO.(IF KNOWN) AS SHOWN (USE TABLE II & III) 91-22-5 USE TABLE I USE TABLE I USE TABLE 3 DIGIT NO. USE TABLE IV 2 CORRECTIONS 8.0 DU 5 00 00 AS INDICATED UN/NA NO 1 SOLID 4 PURE 1 POUNDS -<del>00</del>. <u>1760</u> 2 LIQUID 5 MIX 2 GALLONS DELETE 3 GAS 3 CUBIC FT. VER Wordenere soor on STORAGE LOCATION (BE SPECIFIC) marin also 1 المحت no more gals prese Than CHEMICAL NAME/TRADE NAME CORRECT PHYSICAL . UNIT OF MEASURE AVG.QTY. ON HAND MAX.QTY. AMT.USED PER YEAR NUMBER DAYS HAZARD STORAGE CODE CAS NO.(IF KNOWN) AS SHOWN STATE CODE ON SITE (USE TABLE II & III) USE TABLE I USE TABLE I USE TABLE ! 3 DIGIT NO. USE TABLE IV 7 CORRECTIONS 1 POUNDS 00 00 365 AS INDICATED UN/NA NO. 1 SOLID 4 PURE 2 LIQUID 5 MIX 2 GALLONS DELETE 3 GAS 3 CUBIC FT 30<u>7</u> In metal Druge outude STORAGE LOCATION (BE SPECIFIC) imeniae Coleratore ethylene CHEMICAL NAME/TRADE NAME NUMBER DAYS AVG.QTY. ON HAND CORRECT PHYSICAL STATE UNIT OF MEASURE MAX.QTY. CODE AMT.USED PER YEAR STORAGE CODE (USE TABLE II & III) HAZARD CAS NO.(IF KNOWN) AS SHOWN ON SITE CLASSES 000127-18-1 USE TABLE USE TABLE I USE TABLE 3 DIGIT NO. USE TABLE IV D 2 بل CORRECTIONS 00 00 365 00 9.0 AS INDICATED 1 POUNDS UN/NA NO. 1 SOLID 4 PURE

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2 GALLONS

3 CUBIC FT.

STORAGE LOCATION (BE SPECIFIC)

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KOPPERS COMPANT, INC. 7540 NW ST HELENS RD PORTLAND, OR 97210 MULTNOMAH

ACCOUNT NUMBER 006202

	CHEMICAL N	AME/TRAD	E NAME	: Uc	elon	<u>e.                                    </u>		OI	HEET 3
CORRECT	PHYSICAL	UNIT OF	AVG.QTY.	MAX.QTY.	AMT.USED	NUMBER DAYS	STORAGE CODE	HAZARD	CAS NO.(IF KNOWN)
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	STORAGE LOCATION	(BE SPECIFIC)	سر	·	mory	ac a	an aux	of june	any
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					1	HIII	1. 100		
	CHEMICAL N	AME/TRAD	DE NAME	: <u>^\</u> 0	<del></del>	- 11 ya	roxide	·	
CORRECT AS SHOWN	PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
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DELETE	3 GAS	3 CUBIC FT.						<u> </u>	
ш	STORAGE LOCATION	(BE SPECIFIC)	In	Boil	er Ro	om - E	ast end		
	CHEMICAL N	IVME/LDVI	TE NAME		osolii	el.			• •
CORRECT	PHYSICAL	UNIT OF	AVG.QTY.	MAX.QTY.	AMT.USED	NUMBER DAYS	STORAGE CODE	HAZARD	CAS NO.(IF KNOWN)
AS SHOWN	STATE	MEASURE	ON HAND USE TABLE I	CODE	PER YEAR	ON SITE 3 DIGIT NO.	(USE TABLE II & III)	CLASSES USE TABLE IV	8006-61-9
CORRECTIONS	2	121	USE TABLE I	USE TABLE	USE TABLE	3 DIGIT NO.	NI	USE TABLE IV	
AS INDICATED	1 SOLID 4 PURE	1 POUNDS	00	00	01	365		3.1	UN/NA NO.
\ <u>\</u>	2 LIQUID 5 MIX	2 GALLONS							1203
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CORRECT	CHEMICAL N	UNIT OF	AVG.QTY.	MAX.QTY,	etyle	NUMBER DAYS	STORAGE CODE	HAZARD	CAS NO.(IF KNOWN)
CORRECT AS SHOWN			AVG.QTY. ON HAND	MAX.QTY. CODE	AMT USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	CLASSES	
AS SHOWN	PHYSICAL STATE	UNIT OF	AVG.QTY. ON HAND USE TABLE I	MAX.QTY,	AMTUSED PER YEAR I USE TABLE	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE II & III)	USE TABLE IV	CAS NO (IF KNOWN)
AS SHOWN  CORRECTIONS AS INDICATED	PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	CLASSES	
AS SHOWN  CORRECTIONS	PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND USE TABLE I	MAX.QTY. CODE USE TABLE	AMTUSED PER YEAR I USE TABLE	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE II & III)	USE TABLE IV	74-86-2
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# HAZARDOUS SUBSTANCE EMPLOYER SURVEY

# TABLES TO BE USED FOR FORM COMPLETION

TABLE I	TABLE II			
1 = SOLID 2 = LIQUID 3 = GAS	1 = POUNDS 2 = GALLONS 3 = CUBIC FEET			
TABLE III - REPORTING RANGES				

# AND CODES

RANGE	FROM	TO	
RANGE (Code) 00 10 11 20 21 30 31 40 41 42 43 50 51 52 53 60 61 70 71 80 81 90 91	FROM  0 100 500 1,000 5,000 10,000 50,000 100,000 250,000 1,000,000 2,500,000 1,000,000 2,500,000 10,000,000 10,000,000 25,000,000 10,000,000 25,000,000 50,000,000 50,000,000 50,000,00	TO	
99	1 BILLION	HIGHER THAN 1 BILLIO	אוע

# TABLE IV - STORAGE CODES

<u>Code</u>	Type of Storage
ABCDEFGHLJKL	Aboveground tank Underground tank Tank inside building Steel drum Plastic or non-metallic drum Can Carboy Silo Fiber drum Bag Box Cylinder
M =	Glass bottles or jugs
N =	Plastic bottles or jugs
0 =	Totebin

Tank wagon Railcar Other

# TABLE V - TEMPERATURE AND PRESSURE CONDITIONS AND STORAGE CODES

Codes	Storage Conditions
1 2 3	(PRESSURE) Ambient pressure Greater than ambient pressure Less than ambient pressure
4 5 6 7	(TEMPERATURE) Ambient temperature Greater than ambient temperature but not cryogenic Less than ambient temperature Cryogenic conditions
	EVAMDLE:

### **EXAMPLE:**

Benzene in the main building is kept in a tank inside the building, at ambient pressure and less than ambient temperature.

Table IV shows you that the code for a tank inside a building is C. Table V shows you that code for ambient pressure is 1, and the code for less than ambient temperature is 6.

1 6 C You enter:

(1.5) Insensitive Explosives

(2.2) Nonflammable Gases

(2.1) Flammable Gases

(2.3) Poison Gases

### TABLE VI HAZARD CLASSIFICATION CODES

(1.1) Class A Explosives	(3.2) Flammable Lig. (0°F <fp<73°f)< th=""></fp<73°f)<>
(1.2) Class B Explosives	(3.3) Flamm. Liq. (73°F <fp<141°f)< td=""></fp<141°f)<>
(1.3) Class C Explosives	(4.1) Flammable Solids
(1.4) Blasting Agents	(4.2) Spontaneously Combustible Mater

- (4.2) Spontaneously Combustible Material (4.3) Dangerous When Wet
- (4.4) Reactive Material (4.5) Combustible Materials
- (7.3) Radioactive Materials (8.0) Corrosives (9.0) Misc. Haz. Materials

(6.1) Poisonous Materials

(6.4) Chronic Health Hazard

(6.2) Etiologic Materials (6.3) Acute Health Hazard

- (5.1) Oxidizers
- (3.1) Flammable Liq. (FP<0°F) (5.2) Organic Peroxides

# SECTION DE EXAMPLE

**PURE** COMMON NAME/TRADE NAME:

**GASOLINE** 

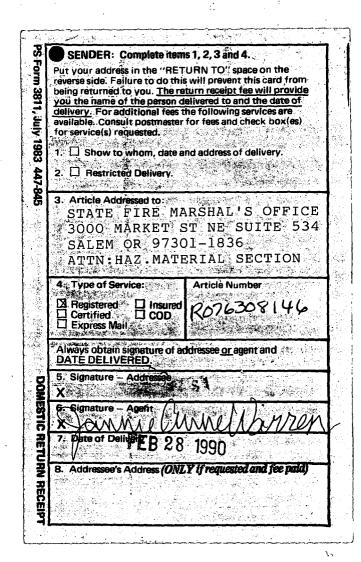
SOUTH OF OIL STORAGE SHED

MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

				i at indite	OT OUTOL	TIID THOIT.							
J	CORRECT	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. ON HAND	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE		RAGE C		HAZARD CLASSES	CAS NO. (IF KNOWN)	1
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	DELETE												
STOR	RAGE LOCATIONS	(BE SPECIFIC	C) TANK LO	OCATED FAST	OF MAIN OF	FICE DOLLAR	CLOCATED						

UN/NA NO. 1203

Page 2



- SENDER INSTRUCTIONS
  Print your name, address, and ZIP Code in the space below.

  Complete items 1, 2, 3, and 4 on the reverse.

  Attach to front of article if space permits, otherwise affix to back of article.

  Endorse article "Return Receipt Requested" adjacent to number.



PENALTY FOR PRIVATE USE, \$300

RETURN



JOHN A OXFORD

KOPPERS INDUSTRIES INC

(No. and Street, Apt., Suite, P.O. Box or R.D. No.)

7540 NW ST HELENS RD

(City, State, and ZIP Code)

PORTLAND OREGON 97210

Koppers012115



# Executive Department STATE FIRE MARSHAL

3000 MARKET STREET PLAZA - SUITE 534 SALEM, OREGON 97310-0198

378-FIRE Logistics and Finance 378-4580 378-2848 Operations 373-1540 Accreditation/Standards 378-2871 373-1276 Admin. Services Data 378-4464 Fire Prev./Investigation 378-4917 378-2885 Hazardous Materials Institutions/Codes 378-4917 Licensing/Permits 373-1871 378-2884 Public Education Training 378-5210 FAX (503) 588-FIRE

PR0006440

KOPPERS COMPANT, INC. 7540 NW ST HELENS RD PORTLAND OR 97210

L. Sreene

# Dear Oregon Business:

Previously, your business was required to complete a Hazardous Substance Employer Survey. This mandatory survey is part of the Community Right to Know and Protection Act adopted by Oregon's Legislature in 1985.

Oregon Revised Statute 453.307-453.414 directs the State Fire Marshal to survey local businesses annually. Information collected each year is used to identify the variety and amount of hazardous substances present in the community and to assist in emergency response and planning activities. In addition, the Federal Government mandated a nationwide Community Right to Know program in 1986 known as SARA Title III, Section 312. The requirements of these two programs are similar and most of your obligations under both are met through response to this Employer Survey.

In compliance with these laws and to insure the program's integrity, you are required to provide an update for the hazardous substances your business manufactures, uses, stores, sells, disposes of, or otherwise possesses.

Enclosed is a summary of the information you previously submitted. An appropriate business representative should <u>review</u> the summary carefully, <u>verify</u> the information, and make any <u>corrections</u> and additions. Any hazardous substance currently in use that is <u>not</u> included in this summary is required to be added along with the corresponding storage location and amount. Please keep in mind that waste products (i.e. waste oil, waste acetone) are to be reported as well.

THIS UPDATE MUST BE RETURNED TO THE STATE FIRE MARSHAL BY MARCH 1, 1990 FAILURE TO RESPOND MAY RESULT IN CIVIL PENALTIES OF UP TO \$1,000 PER DAY

If you have questions, or are in need of assistance, please contact the Hazardous Materials Bureau at 378-2885 in Salem.

Sincerely,

Olin L. Greene State Fire Marshal

OLG:jn Enclosure JA[] 3 1

IMPORTANT: PROMPT REPLY REQUIRED-RETURN BY MARCH 1, 1990

Page 1

# HAZARDOUS SUBSTANCE EMPLOYER SURVEY TABLES TO BE USED FOR FORM COMPLETION

TABLE I	TABLE II
1 = SOLID	1 = POUNDS
2 = LIQUID	2 = GALLONS
3 = GAS	3 = CUBIC FEET

### **TABLE III - REPORTING RANGES** AND CODES

RANGE	FROM.	TO
(Code) 00 10 11 20 21 30 31 40 41 42 43 50 51 52 53 60 61 70 71 80 81 90 91	0 100 500 1,000 5,000 10,000 50,000 100,000 250,000 1,000,000 2,500,000 7,500,000 10,000,000 25,000,000 750,000,000 75,000,000 25,000,000 10,000,000 250,000,000 10,000,000 10,000,000 10,000,00	99 499 999 4,999 9,999 99,999 249,999 249,999 2,499,999 2,499,999 7,499,999 9,999,999 24,999,999 74,999,999 74,999,999 74,999,999 99,999,999 99,999,999 149,999,999 149,999,999 149,999,999 149,999,999 149,999,999 149,999,999 149,999,999 149,999,999 149,999,999 149,999,999 149,999,999 149,999,999 149,999,999

# **TABLE IV - STORAGE CODES**

<u>Code</u>	Type of Storage
A = B = C = E = G = H =	Aboveground tank Underground tank Tank inside building Steel drum Plastic or non-metallic drum Can Carboy Silo
=	Fiber drum
J =	Bag
K =	Box

Glass bottles or jugs

Plastic bottles or jugs Totebin Tank wagon

Cylinder

Railcar Other

# TABLE V - TEMPERATURE AND PRESSURE CONDITIONS AND STORAGE CODES

<u>Codes</u>	Storage Conditions	
1 2 3	(PRESSURE) Ambient pressure Greater than ambient pressure Less than ambient pressure	
4 5 6 7	(TEMPERATURE) Ambient temperature Greater than ambient temperature but not cryogenic Less than ambient temperature Cryogenic conditions	
	EVAMBLE:	

EXAMPLE:

Benzene in the main building is kept in a tank inside the building, at ambient pressure and less than ambient temperature.

Table IV shows you that the code for a tank inside a building is C. Table V shows you that code for ambient pressure is 1, and the code for less than ambient temperature is 6.

(4.2) Spontaneously Combustible Material

 $\Box$  $\Box$ 6 You enter:

# TABLE VI HAZARD CLASSIFICATION CODES

- (1.1) Class A Explosives (3.2) Flammable Liq. (0°F<FP<73°F) (1.2) Class B Explosives (3.3) Flamm. Liq. (73°F<FP<141°F)
- (1.3) Class C Explosives (4.1) Flammable Solids
- (1.4) Blasting Agents
- (1.5) Insensitive Explosives
- (2.1) Flammable Gases
- (2.2) Nonflammable Gases
- (2.3) Poison Gases
- (4.5) Combustible Materials

(4.3) Dangerous When Wet

(4.4) Reactive Material

- (5.1) Oxidizers
- (3.1) Flammable Liq. (FP<0°F) (5.2) Organic Peroxides

- (6.1) Poisonous Materials
- (6.2) Etiologic Materials
- (6.3) Acute Health Hazard
- (6.4) Chronic Health Hazard (7.3) Radioactive Materials
- (8.0) Corrosives
- (9.0) Misc. Haz. Materials

SECTION D EXAMPLE

**PURE** 

COMMON NAME/TRADE NAME:

**GASOLINE** 

CHEMICAL NAME OF HAZARDOLIS INGREDIENT IN HIGHEST CONCENTRATION:

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UN/NÀ NO.

CAS NO. (IF KNOWN)

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# 1363-1. SEMAZARDOUS SUBSTANCE EMPLOYER SURVEY

SUBSTANCE INFORMATION DO NOT DUPLICATE THESE SHEETS. PEQUEST ACCITIONAL COPIES IS NEEDED TYPE ALL DATA IN SHADED AREAS X PURE COMMON NAME/TRADE NAME: ACETONE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: MIXTURE: GÖDE. THE X AS SHOWN CASING (IF KNOWN). STATE FYEAR CODE USE WOLLD USE MELER PER MELL USE TABLET USE TACKE OF 3.1 0. POS CORNECTIONS 0000067641 2 00 00 00 365 AS PROBUGED 🧞 🤔 delete 7 IN LAB AT W END OF BLDG STORAGE LOCATIONS (SE GRECIFIC) UN/NA NO. 1090 PURE COMMON NAME/TRADE MAME: ACETYLENE CHEMICAL NAME OF A MIXTURE 1.19 HAZARDOUS INGREDIENT IN HIGHEST CONCERNS AT JASING OF KNOWNE C. SPECI X FLA SHOWN 1172 SE JARLE 1.16.60 2.1 L 2 4 CORRECTIONS AS HUICATED 0000074862 3 10 10 20 365 STOPAGE LOCATIONS (SE SPECIFIC) IN MAINTENANCE SHOP IN REAR OF BLDG UN/NA NO. 1 CYLINDER ON PORTABLE CART IN FRONT OF SHOP INSIDE 1001 X PURE COMMON NAME/TRADE NAME: COAL TAR PITCH CHEMICAL NAME OF **MIXTURE** HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: 1481 141 1481 A.C. ALT CASING HE KNOWN) CORRECT
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# 1989-1990 HAZARDOUS SUBSTANCE EMPLOYER SURVEY

OREGON STATE FIRE MARSHAD

SUBSTANCE INFORMATION

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PAGE 003

# HAZARDOUS SUBSTANCE EMPLOYER SURVEY

OREGON STATE FIRE MARSHAL

SUBSTANCE INFORMATION - \*

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COMMON NAME/TRADE NAME: MOTOR OIL

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COMMON NAME/TRADE NAME: OXYGEN

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PURE COMMON NAME/TRADE NAME: PERCHLOROETHYLENE

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COMMON NAME/TRADE NAME: QUINOLINE REFINED

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# HAZARDOUS SUBSTANCE EMPLOYER SUR

OREGON STATE FIFE MARSHAL

SUBSTANCE INFORMATION

DO NOT DUPLICATE THESE SHEETS. REQUEST ADDITIONAL COPIES IF NEEDED. TYPE ALL DATA IN SHADED AREAS

COMMON NAME/TRADE NAME: SODIUM HYDROXIDE

CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

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COMMON NAME/TRADE NAME: SODIUM SULFITE

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PURE COMMON NAME/TRADE NAME: TAR REFINED

X MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION HYDRO CARBONS

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# IAZARDOUS SUBSTANCE EMPLOYER SURVEY

" OREGON STATE FIRE MARSHAL

SUBSTANCE INFORMATION DO NOT DUPLICATE THESE SHEETS. REQUEST ADDITIONAL COPIES IF NEEDED. TYPS ALL DATA IN SHADED AREAS CREOSOTE PURE COMMON NAME/TRADE NAME: CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION. HYDRO CARBONS HUMBER DAYS ON SITE CAS HO. (IF KNOWN). (USE TABLE IV & V) COMRECT YEAR CODE CLASSE MARCAS SHOWN USE TABLE ( USE TABLE IN USE TABLE IN USE TABLE IN USE TABLE III S DIGIT NO. UGE TABLE . CORRECTIONS AS INDICATED DELETE 10 10 . 2 20 365 D 1 4.5 0008001589 STORAGE LOCATIONS (BE SPECIFIC) UNKNA NO. REAR SAMPLE ROOM, IN WAREHOUSE **9188** 劑 PURE COMMON NAME/TRADE NAME: REFINED TAR CHEMICAL NAME OF HAZARDOUS INGREDENT, IN HIGHEST CONCENTRATIONS HYDRO CARBONS RYA J R SHURLING HA LAME or tag, or assessment THE TOPPER AS SHOWN USE TABLE III. USE TABLE III USE TABLE V X CORRECTIONS AS INDICATED. 65996932 STORAGE LOCATIONS (BE SPECIFIC UNZMA NO 🗈 RAIL TRACK #5 BY PITCH STORAGE BUILDING 0000 x PURE COMMON NAME/TRADE NAME NAPHTHALENE STILL RESIDUE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: DUMBER DAYS ON SITE OSC CORRECT JUIGHT HO. UGE TABLE VI T CORRECTIONS AS INDICATED 30 30 365 - 5 73665186 5 STORAGE LOCATIONS (BE SPECIFIC) JIN/MA MC IN TANK FARM #99 TANK, IN CAR ON TRACK #3 SOUTH END OF 1334 PLANT PURE COMMON NAME/TRADE NAME: METHYL NAPHTHALENEFFRACTION CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION METHYL HAZARO CLASSES

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# HAZARDOUS SUBSTANCE EMPLOYER SURVEY

OREGON STATE FIRE MARSHAL

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SUBSTANCÉ INFORMATION

DO NOT DUPLICATE THESE SHEETS: REQUEST ADDITIONAL COPIES IF NEEDED. TYPE ALL DATA IN SHADED AREAS SOLVENT GRADE COAL TAR NAPHTH 题。PURE GOMMON NAME/TRADE NAME: X MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: INDENE CAS NO. (IF KNOWN) CORRECT

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# HAZARDOUS SUBSTANCE EMPLOYER SURVEY OREGON STATE FIRE MARSHAL

TO COMPLETE OR MAKE CORRECTIONS: DO NOT USE PEN OR PENCIL TYPE CHANGES OR ADDITIONS ONLY IN THE APPROPRIATE COLORED AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA IN SECTIONS, A, B AND D.

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No hazardous substances are used at this site in any way. Type the number 1 in the box to the left. Complete Sections B and C. Hazardous substances are used at this site by our company, but do not meet reporting requirements. Type number 2 in the box to

the left. Complete Sections B and C. Hazardous substances are used at this site by our business in reportable quantities. Type number 3 in the box to the left. Complete all parts of this form, Sections B, C and D.

DEMOGRAPHIC DATA (Please type the following information in the shaded areas if it is not preprinted. See instructions page 5 and 6 for guidance).

SIC CODE(S) Enter all that apply to business SIC 1 2865

SIC 2 0000

SIC 3

TYPE OF BUSINESS:

CREOSOTE & COAL TAR PITCH TERMINAL

 DATE FORM COMPLETED: \* 2/27/90 **DUN & BRADSTREET No.:** 

NONE ASSIGNED

EMPLOYER NAME

JOHN OXFORD

AT THIS TIME

5. BUSINESS NAME:

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7540 NW ST HELENS RD

Dept. or Div.:

KOPPERS INDUSTRIES INC

TAR

7. MAILING ADDRESS:

7540 NW ST HELENS RD

PORTLAND

PORTLAND

COUNTY MULTNOMAH

MULTNOMAH

STATE: OR ZIP CODE:

🦙 97210 🖟

STATE: OR

ZIP CODE: 4

BUSINESS PHONE:

503/286-3681

8. NUMBER OF EMPLOYEES AT THIS SITE:

P000

9 EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: CONTACT PHONES

JOHN OXFORD

503/286-3681 NIGHT

(206) 737-0737

10. RESPONSIBLE FIRE DEPARTMENT: ST. JOHN'S

SPECIAL EMERGENCY PROCEDURES: (See Instructions, page 5, Use additional pages as necessary)

12. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO (NFFA 704)? (YES or NO)

PERSON COMPLETING FORM

THE ABOVE DATA IS:

CORRECT AS SHOWN

PRINT NAME \_\_\_JOHN\_A -OXFORD

THE NAME AND SIGNATURE OF THE PERSON RESPONSIBLE FOR COMPLETION OF THE FORM, THIS PERSON WILL BE CONTACTED TO ANSWER ANY QUESTIONS NEEDING CLARIFICATION.

DO NOT DUPLICATE THIS FORM

REQUEST ADDITIONAL COPIES IF YOU MUST REPORT FOR MORE THANK ME SITE

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.  1. LX Show to whom delivered, date, and addressee's address.  2. Restricted Delivery (Extra charge)							
3. Article Addressed to:  ATTN: HAZARDOUS MATERIALS DIVISION OFFICE OF STATE FIRE MARSHALL 3000 MARKET ST NE SUITE 534 SALEM OR 97301-1836	Type of Service:  Registered Insured  Certified COD Express Mail Return Receipt for Merchandise  Always obtain signature of addressee or agent and DATE DELIVERED.						
5. Signature — Addressee  X  6. Signature — Agent  White Course April 7 1991	8. Addressee's Address (ONLY if requested and fee paid)						
PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815	DOMESTIC RETURN RECEIP						

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

# SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below.

• Complete items 1, 2, 3, and 4 on the

- permits, otherwise affix to back of article.
  Endorse article "Return Receipt Requested" adjacent to number.





APR 18 1991

PENALTY FOR PRIVATE USE, \$300

KOPPERS INDS, INC. PORTLAND OR Print Sender's name, address, and ZIP Code in the space below.

KOPPERS INDUSTRIES INC

7540 NW ST HELENS RD

PORTLAND OR 97210

reverse. Attach to front of article if space

RETURN

TO



EXECUTIVE DEPARTMENT

State Fire Marshal

March 29, 1991

Dear Employer,

As you are well aware, this survey is used to provide correct and accurate information to emergency responders who may have to respond to an emergency at your location. It is used for planning and training of personnel for hazardous substances emergency response. It also gives a clear picture of what hazardous substances are present in Oregon and which ones are not.

The mailing of this second survey represents the commitment of this office and Moore Business Forms to provide and collect accurate and correct information. The pre-printed information is now complete and alphabetized for your convenience. We appreciate the work you have already put into the survey.

Please complete this survey as accurately as you can and return it as soon as possible. The Hazardous Substance Possession Fee which you may be subject to will be based on the information you submit. It is particularly important that the name of the hazardous substance and the Maximum Quantity Range be correct. Although you now have until May 1, it is appreciated if you would return the survey as soon as possible.

If you have any questions or would like assistance, you may call our hotline (503) 378-6835.

Sincerely,

Dennis Walthall, Program Manager Bureau of Hazardous Materials

DFW:kah\2Surv91

3000 Market Street Plaza Suite 534 Salem, OR 97310-0198

# RECEIVED

APR: 1 1991

KOPPERS INDS., INC. PORTLAND, OR

#### **FORM COMPANY**

### CORRECTED SURVEY 1990 - 1991

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY Account Number 006202 OREGON STATE FIRE MARSHAL

TO COMPLETE, ADD OR MAKE CORRECTIONS: PLEASE TYPE CHANGES OR ADDITIONS IN THE APPROPRIATE COLORED AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA WHICH MAY APPEAR IN SECTIONS A, B AND D.

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COMPANY INFO

ACCOUNT NUMBER 006202

1 OF PAGE 6

# CORRECTED SURVEY 1990 - 1991 HAZARDOUS SUBSTANCE EMPLOYER SURVEY

OREGON STATE FIRE MARSHAL

SECTION D	SUBSTANCE	INFORMATIO	Ν	•		
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## 1990 - 1991

ACCOUNT NUMBER PAGE 6

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

OREGON STATE FIRE MARSHAL

# SECTION D

SUBSTANCE INFORMATION

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# CORRECTED SURVEY 1990 - 1991

HAZARDOUS SUBSTANCE EMPLOYER SURVEY

OREGON STATE FIRE MARSHAL

SECTION D SUBSTANCE INFORMATION DO NOT DUPLICATE THESE SHEETS. REQUEST ADDITIONAL COPIES IF NEEDED. TYPE ALL DATA IN SHADED AREAS. COMMON NAME/TRADE NAME: HYDROGEN 1 - PURE CHEMICAL NAME OF 2 - MIXTURE HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: AVG. AMT. CODE MAX. AMT. AMT, PER NUMBER DAYS HAZARD CLASSES CAS NO. (IF KNOWN) STATE MEASURE CODE 1 - NO CHANGE USE TABLE I USE TABLE II USE TABLE III USE TABLE III LISE TABLE III 3 DIGIT NO USE TABLE VI 2-CORRECTIONS 2 4 L MADE 2.1 1333740 3 3 10 10 20 365 3 - NO LONGER USED \$5.0 **1** 多案 STORAGE LOCATIONS (BE SPECIFIC) CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY UN/NA NO. BLDG OUTSIDE 1049 COMMON NAME/TRADE NAME: METHYL NAPHTHALENE FRACTION 2-MIXTURE CHEMICAL NAME OF METHYL NAPHTHALENE HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: AVG. AMT MAX. AMT. CODE AMT PER YEAR CODE STORAGE CODE (USE TABLE IV & V) NUMBER DAYS UNIT OF MEASURE HAZARD CLASSES PHYSICAL STATE CAS NO. (IF KNOWN) ON SITE 1 - NO CHANGE USE TABLE I USE TABLE II USE TABLE III USE TABLE III USE TABLE VI USE TABLE III 3 DIGIT NO. 2 - CORRECTIONS A Q 1 MADE 1321944 . 2 2 30 1 30 30 365 4 3 - NO LONGER 验 100 New 10 政策 **F**48 STORAGE LOCATIONS (BE SPECIFIC) IN TANK FARM #3 TANK, IN RAIL CAR ON TRACK #3 UN/NA NO. SOUTH END OF PLANT 1177 COMMON NAME/TRADE NAME: MOTOR OIL 1 - PURE CHEMICAL NAME OF HYDRO CARBONS 2 - MIXTURE HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: AVG. AMT. CODE MAX, AMT CODE STORAGE CODE (USE TABLE IV & V) HAZARD CLASSES PHYSICAL STATE NUMBER DAYS CAS NO. (IF KNOWN) MEASURE 1 - NO CHANGE USE TABLE ! USE TABLE II USE TABLE III USE TABLE III USE TABLE III 3 DIGIT NO. USE TABLE VI 2 - CORRECTIONS D 1 4 440666 2 2 00 00 10 365 3 - NO LONGER USED **建** 64.4E STORAGE LOCATIONS (BE SPECIFIC) IN OIL STORAGE ROOM IN WARHOUSE SE END OF BLD UN/NA NO. G 270 COMMON NAME/TRADE NAME: NAPHTHALENE STILL RESIDUE 1 - PURE CHEMICAL NAME OF 2 - MIXTURE HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: UNIT OF MAX. AMT NUMBER DAYS STORAGE CODE (USE TABLE IV & V) CAS NO. (IF KNOWN) STATE CODE ON SITE 1 - NO CHANGE USE TABLE I USE TABLE III USE TABLE VI USE TABLE II USE TABLE III USE TABLE III 3 DIGIT NO 2 - CORRECTIONS MADE 5 5 30 2 2 30 30 365 1 3 - NO LONGER USED 

STORAGE LOCATIONS (BE SPECIFIC) IN TANK FARM #99 TANK, IN RAIL CAR ON TRACK #

3 SOUTH END OF PLANT

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PAGE

### 1990 - 1991

ACCOUNT NUMBER 006202 PAGE

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

OREGON STATE FIRE MARSHAL

# CHEMICAL

SUBSTANCE INFORMATION

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# CORRECTED SURVEY 1990 - 1991

HAZARDOUS SUBSTANCE EMPLOYER SURVEY

OREGON STATE FIRE MARSHAL

SECTION D. SUBSTANCE INFORMATION

STORAGE LOCATIONS (SE SPECIFIC) TANK #17 IN TANK FARM, IN WAREHOUSE, IN FRONT

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## 1990 - 1991

ACCOUNT NUMBER 006202 PAGE 6 <sup>OF</sup> 6

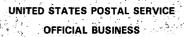
HAZARDOUS SUBSTANCE EMPLOYER SURVEY

OREGON STATE FIRE MARSHAL

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SENDER: Complete items 1 and 2 when additional so 3 and 4.  Put your address in the "RETURN TO" Space on the reverse so from being returned to you. The return receipt fee will provide you the date of delivery. For additional fees the following services and check box(es) for additional service(s) requested.  1. X Show to whom delivered, date, and addressee's add (Extra charge)	ide. Failure to do this will prevent this card you the name of the person delivered to and are available. Consult postmaster for fees
3. Article Addressed to:  ATTN: SURVEY INFORMATION SYSTEM OFFICE OF STATE FIRE MARSHAL 4760 PORTLAND ROAD NE SALEM OR 97305-1760	4. Article Number  Type of Service:  Insured  COD  Express Mail COD  For Merchandise  Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Address & D. (1996)  8. Signature — Agent 7. Pate of Delivery	Addressee's Address (ONLY if requested and fee paid)  DOMESTIC DETUDD DESCRIPT.  PROCEEDS.
PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815	DOMESTIC RETURN RECEIPT



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Print your name, address and ZIP Code
in the space below.
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reverse.

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  Endorse article 'Return Receipt Requested' adjacent to number.





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TO:

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KOPPERS INDUSTRIES, INC. 7540 N.W. ST. HELENS RD. PORTLAND, OR 97210-3663

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Sent Certified Mail 2/26/92

E X E C U T I V E D E P A R T M E N T

STATE FIRE MARSHAL

Dear Oregon Survey Responder:

Once more it is time to update the information on Hazardous Substances in Oregon for the 1991 calendar year.

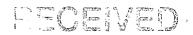
As you know, the survey system provides important information to firefighters and other emergency responders. It enables them to plan effectively for incidents involving hazardous materials. Many agencies can access this information almost instantly through electronic data equipment during an actual emergency.

The survey year just concluded involved some unusual challenges, both for our staff and for the survey responders. We wish to note with appreciation the many surveys returned that were very carefully completed. It is appreciated that you made the extra effort to correctly type and enter the information.

If you are new to the system, please take the time to read the enclosed instruction and definition booklet. It has been written to help you in filling out this survey. If you have any suggestions, please include them when you return the survey.

Enclosed you will find a pre-printed form with the information you submitted last year. Please review, correct, add or delete items to make your report as complete and accurate as possible. Remember that help is available through calling our Survey Hot-Line at (503) 378-6835. Thank you again.

CC:cc \ log \ survey \ cor \ 91svyltr



FEB - 0 1992

KOPPERS INDS., INC. PORTLAND. OR



4760 Portland Rd. NE Salem, OR 97305-1760 (503) 378-3473 FORM COMPANY

### 1991 - 1992 HAZARDOUS SUBSTANCE EMPLOYER SURVEY OREGON STATE FIRE MARSHAL

Account Number 006202

OSFMB130

TO COMPLETE, ADD OR MAKE CORRECTIONS: PLEASE TYPE CHANGES OR ADDITIONS IN THE APPROPRIATE COLORED AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA WHICH MAY APPEAR IN SECTIONS A, B AND D.

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COMPANY INFO

1991 - 1992 OREGON STATE FIRE MARSHAL

Account Number

SECTIONED

HAZARDOUS SUBSTANCE EMPLOYER SURVEY
SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS
REQUEST ADDITIONAL COPIES IF NEEDED

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### HAZARDOUS SUBSTANCE EMPLOYER SURVEY SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

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COMMON NAME/TRADE NAME: CREOSOTE														
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2 2 MIXTURE	STATE USE TABLE I	MEASURE USE TABLE II	CODE USE TABLE III	USE TABLEIII	USE TABLE III	ON SITE 3 DIGIT NO.	<u>ruse</u>	TABLE IV <b>1</b>	* V)	CLASSES USE TABLE VI	GAS NO. (IF KINOWN)			
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HAZARDOUS SUBSTANCE EMPLOYER SURVEY
SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS
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IL CAR O	N TRAC	K #3 S	SOUTH E	ND OF	PLANT							1334

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#### HAZARDOUS SUBSTANCE EMPLOYER SURVEY SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

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OSFMB.131 COMMON NAME/TRADE NAME: OXYGEN HAZARDOUS INGREDIENT: OXYGEN IN HIGHEST CONCENTRATION UNIT OF MEASURE AVG. AMT. CODE PHYSICAL STATE AMT PER YEAR CODE NUMBER DAYS ON SITE STORAGE CODE (USE TABLE IV & HAZARD CLASSES CAS NO. (IF KNOWN) USE TABLE | USE TABLE || USE TABLE || USE TABLE || USE TABLE VI USE TABLE III ROIGITNO L 2 2 - MIXTURE 20 20 365 2.2 5.1 007782-44-7 3 11 3 1 - NO CHANGE 2 - CORRECTIONS 3 - NO LONGER USED UN/NA NO STORAGE LOCATIONS (BE SPECIFIC) CYLINDER MOUNTED ON SOUTHSID E OF LABORATORY BUILDING OUTSIDE, IN MAINTENAN 1072 CE SHOP IN REAR, 1 CYLINDER ON CART IN FRONT OF SHOP COMMON NAME/TRADE NAME: PERCHLOROETHYLENE HAZARDOUS INGREDIENT: IN HIGHEST CONCENTRATION: PHYSICAL UNIT OF STATE MEADINE AVG\_AMT W.C. ADT CAS NO. 7 CHOWN) <u>lus 181</u> Jua nsalen USE TABLE IT USE TABLE IT USE TABLE! 2 2 MIXTURE 0.0 365 2 00 00 00 2 1 - NO CHARGE 2 - CORRECTIONS 9.0 6.4 03 03 127184 MADE 3-NO LONGER **203** USED UN/NA NO. STORAGE LOCATIONS (BE SPECIFIC) IN METAL DRUM OUTSIDE W END OF LAB 0000 1897 COMMON NAME/TRADE NAME: PROPANE HAZARDOUS INGREDIENT: PROPANE IN HIGHEST CONCENTRATION: PHYSICAL STATE NUMBER DAYS UNITO AMT PER YE÷RICODE HAZARD CLASSES AVG\_AMT. MAX AMI. CAS NO. (IF KNOWN). 1 - PURE CODE USE TABLE III USE TABLE I USE TABLE II USE TABLES USE TARLE II 3 DIGIT NO USE TABLE VI 2 2.1 6.3 000074-98-6 00 00 11 365 1 - NO CHANGE 2 - CORRECTIONS 04 04 10 2 MADE 3 - NO LONGER UNEMA NO STORAGE LOCATIONS (BE SPECIFIC) IN OIL ROOM IN WAREHOUSE SOU THEAST END OF BUILDING, IN FORK LIFTS IN FRONT WAREHOUSE, ON TRACK #5 LOADING STATION 1075 COMMON NAME TRADE NAME: QUINOLINE REFINED HAZARDOUS INGREDIENT: IN HIGHEST CONCENTRATION: PHYSICAL UNITION STATE MEASURE AMT PEP HAZARD OLAS ES CASING, (IF KNOWN). <u>- CLASSES</u> USE TABLE VI 4 USE TABLE LI USE TABLE LISE TABLE HE HISE TARLE HISE TARKE OF 365 2 2 00 00 00 1 - NO CHANGE 2 - CORRECTIONS MADE 8.0 91225 02 02 02 3 - NO LONGER USED UN/NA NO. STORAGE LOCATIONS (BE SPECIFIC) IN WHSE JUST INSIDE OF MAIN NO MORE DOOR ON NE SIDE OF BLDG. ALSO IN LAB THAN 5 GAL PRESENT 

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# HAZARDOUS SUBSTANCE EMPLOYER SURVEY SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

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OSFMB131 COMMON NAME/TRADE NAME: REFINED TAR HAZARDOUS INGREDIENT: HYDROCARBONS IN HIGHEST CONCENTRATION: PHYSICAL UNIT OF AVG AMT STATE MEASURE CODE USE TABLET USE TABLE III USE TABLE III PHYSICAL UNIT OF STATE MEASURE AMT PER YEAR CODE NUMBER DAYS STORAGE CODE (USE TABLE IV & V) HAZARD CLASSES CAS NO. (IF KNOWN) USE TABLE VI USE TABLEIU USE TABLE III 3 DIGIT NO 1 2 2 - MIXTURE Q 006599-69-3 4.2 365 2 30 31 31 2 . NO CHANGE 2 - CORRECTIONS 415 65996=9=32 40 MADE 3 - NO LONGER USED UN/MA NO. STORAGE LOCATIONS (BE SPECIFIC) RAIL TRACK #5 BY PITCH STORA 13 5 GE BUILDING, IN TANK #23 LOWER TANK FARM COMMON NAME/TRADE NAME: SODIUM HYDROXIDE HAZARDOUS INGREDIENT: SODIUM HYDROXIDE IN HIGHEST CONCENTRATION: PHYSICAL UNIT OF STATE MEA PIPE TALE DVE MAX AMI 48 to 75 to ないわせき 焦め CAS HOLLIE KNOWN). 1.181 TABLES FOR TABLE TILLICE TABLE BY USE TABLE 3 645 (11.33) 8.0 0 0001310-73-2 10 10 11 365 SOMETH ON 1 2 - CORRECTIONS MADE A SERVICE AND SERVICE 3 - NO LONGER USED UNINA NO. STORAGE LOCATIONS (BE SPECIFIC) IN BOILER ROOM E END 1823 Constitution of COMMON NAME/TRADE NAME: SODIUM SULFITE HAZARDOUS INGREDIENT: IN HIGHEST CONCENTRATION: UNIT OF MEASURE PHYSICAL STATE AVG. AMT MAX AMT AMT. PER NUMBER DAYS CAS NO. (IF KNOWN) : PURE USE TABLE VI USE TABLET | USE TABLETT | USE TABLETT | USE TABLETT USE TABLE I CIGITINO T 2 - MICTURE 9.0 0 0007757-83-7 20 365 10 10 : -NO CHANGE 2 - CORRECTIONS 2.46 11 10.1 5.1 9.0 1 MACE 3 - NO LONGER UN/NA NO. STORAGE LOCATIONS (BE SPECIFIC) IN BOILER ROOM E END 0000 19.00 COMMON NAME/TRADE NAME: SOLVENT GRADE COAL TAR NAPHTHA HAZARDOUS INGREDIENT: IN HIGHEST CONCENTRATION: UNIT OF AVG. SMT MAX. AMT MEASURE CODE CODE USE TABLE II USE TABLE III USE TABLE II AME PER YEAR CODE NUMBER 0 478 CN 3 TE CAS NO. (IF KNOWN) 1 4 -PURE USE TABLE 2 USE TABLE 11 3 0'GH 830 2 - MIXTUPE 30 365 30 30 2 2 1 - NO CHANGE 2 - CORRECTIONS 3.3 6.3 65996794 34 2 MADE 3 - NO LONGER USED UN/NA NO. STORAGE LOCATIONS (BE SPECIFIC) IN TANK FARM TANK #34, IN RA IL CAR TRACK #3 SOUTH END OF PLANT n gracegory) 492 February Management and C 1136

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## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS 3 = 64 1 (0) (10 % 006202 REQUEST ADDITIONAL COPIES IF NEEDED OSFMB131 COMMON NAME/TRADE NAME: TAR REFINED HAZARDOUS INGREDIENT: IN HIGHEST CONCENTRATION: MAX AMT CODE USE TABLEIII AMT PER YEAR CODE PHYSICAL STATE UNIT OF MEASURE AVG AMT. NUMBER DAYS STORAGE CODE (USE TABLE IV & V) CAS NO. (IF KNOWN) 2 USE TABLE ! | USE TABLE !! USE TABLE III. USE TABLE VI USE TABLE 0 3 DIGIT NO 1 Α 2 - MIXTURE 0065996-93-2 D 1 4 4.5 0 30 30 30 365 2 1 - NO CHANGE 2 - CORRECTIONS 5 20 21 D 65996-9-32 2 20 MADE 3 - NO LONGER COED 0 UN/NA NO. O STORAGE LOCATIONS (BE SPECIFIC) TANK=#17=IN=IANK=EARM, IN WA O REHOUSE, IN FRONT JUST INSDIE DOOR 0000 COMMON NAME/TRADE NAME: XYLENE HAZARDOUS INGREDIENT: IN HIGHEST CONCENTRATION: 4 0 AMI PHASIONE - WILLOW STATE - MEACURE Margarist AUTOMORE ENTER 240 HO. (IF KNOWN) 1.4 046 n , r. JE TABLE TO THEE 2 UCE THALE! 1 TOUE TABLE USE TABLE A n. MIKTURA 00 0.0 00 365 2 00 1 - NO CHANGE 2 - CORRECTIONS MADE 3 - NO LONGER 02 03 03 USED UN/NA NO STORAGE LOCATIONS (BE SPECIFIC) IN METAL DRUM OUTSIDE W END G 13 4 OF LAB ALSO IN PLASTIC BOTTLE IN LAB 0000 **1307** COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT: IN HIGHEST CONCENTRATION: PHYSICAL UNIT OF STATE MEASURE AVG. AMT. MAX AMT AMT PER NUMBER DAYS ON SITE STOPAGE CODE (UCE TABLE IV & V) CAS NO. (IF KNOWN) USE TABLE III USE TABLE I | USE TABLE II UGE TABLESS 3 DIGIT NO USE TABLE III 2 - MIXTURE 1 - NO CHANGE 2 - CORRECTIONS 100,000 COLUMN HOLDER OF MADE 3 - NO LONGER USED UN/NA NO. STORAGE LOCATIONS (BE SPECIFIC) COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT: IN HIGHEST CONCENTRATION: PHYSICAL STATE UNIT OF MEASUR LEIVA AVG\_AMT CAS NO. (IF KNOWN) 1 - PURE CODE USE TABLE! USE TABLE // USE TABLE II LUSE TABLE III USE TABLE : I 3 COUNTY ISE TABLE BL 2 - MIXTURE 2 - CORRECTIONS 3 - NO LONGER UN/NA NO. STORAGE LOCATIONS (BE SPECIFIC)

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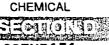
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1991 - 1992 OREGON STATE FIRE WARSEN

Account Number

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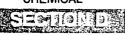
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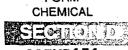
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1991 - 1992 OREGON STATE FIRE MARSHAL

Account Number

# HAZARDOUS SUBSTANCE EMPLOYER SURVEY SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

REQUEST ADDITIONAL COPIES IF NEEDED

006202

SECTION D

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# PORTLAND, OREGON

FIRE PREVENTION DIVISION CEIVED

Dick Bogle Commissioner of Public Safety Lynn C. Davis, Fire Marshal 55 S.W. Ash Street Portland, Oregon 97204-3590 (503) 823-3700

November 16, 1992

NUV 16 1992

KOPPERS INDS...INC. PORTLAND, OR

Dear Portland Employer:

Enclosed you will find a Hazardous Substance Survey. The information requested on this survey is required by local, state and federal law. These laws are commonly known as "Community Right to Know" laws after the name of the federal statute which created them.

This survey must be completed and returned within 30 days. Return all yellow sheets in the envelope enclosed.

The purpose of the survey and the Community Right to Know laws is to inform emergency responders what hazardous materials are present during an emergency incident. Emergency responders will be better able to serve you and handle any emergency at your facility. This in turn benefits you by reducing property damage and possibly saving lives.

When Congress enacted the Community Right to Know Laws they did not include funding to implement and conduct this survey, disseminate the information, audit the program and train personnel. The Portland City Council has authorized the establishment of fees to pay for these costs. The information you provide in this survey will determine your fee, if any.

Please be careful to fill in correct quantities. The most common mistake is using the wrong RANGE CODE for the maximum quantity on site. Please note liquids are reported in gallons, solids in pounds and gases in cubic feet at normal (room) temperature and pressure. Gases do have an exception if they are in <u>cryogenic</u> or pressurized liquid form. Liquified gases (pressure or cryogenic) are to be reported in gallons.

Please study the guidelines carefully on the following pages.

On behalf of the Fire Bureau, I wish to thank you for your help in this important Hazardous Materials Safety Program. If you have any questions, please call 823-3939.

Sincerely,

LYNN C. DAVIS Fire Marshal

LCD/sml

### 1992 - 1993

# HAZARDOUS SUBSTANCE EMPLOYER SURVEY USE THE TABLES BELOW TO COMPLETE SECTION D

TABLE 1 PHYSICAL STATE T	ABLE 2 UNIT OF MEASURE	TABLE 3 - REPORTABLE RANGES
		RANGE FROM TO
1=Solid 1:	=Pounds	
2=Liquid 2:	=Gallons	(Code)
3=Gas 3:	=Cubic Feet	00 0 4
4=	=Millicuries	01 05 9
		02 10 19
TABLE 4 - STORAGE CODES	•	03 20 54
(Code) Type of Storage	•	04 55 199
		10 200 499
A = Aboveground Tank	J = Bag	11 500 999
B= Underground Tank	K=Box	20 1,000 4,999
C= Tank Inside Building	L=Cylinder	21 5,000 9,999
D= Steel Drum	M=Glass Bottles or Jugs	30 10,000 49,999
E= Plastic or Non-Metallic Drum	N=Plastic Bottles or Jugs	31 50,000 99,000
F= Can	O=Totebin	40 100,000 249,000
G= Carbov	P=Tank Wagon	
H= Silo	Q=Railcar	TABLE 5 - PRESSURE AND TEMPERATURE CONDITIONS
I = Fiber Drum	R=Other	TABLE 5 - PRESCRE AND TENTERATURE CONDITIONS
1 - 1 loci Dian	K-Outer	(PRESSURE CONDITION)
TABLE 6 - HAZARD CLASSIFICA	TION CODES	1 Normal pressure (Normal Pressure)
IADES V - MAZARD CLASSIFICA	MON CODES	2 Greater than normal pressure
(1.1) Class A Explosives	(4.3) Dangerous When Wet	3 Less than normal pressure
(1.2) Class B Explosives	(4.4) Reactive Material	5 Less than normal pressure
(1.3) Class C Explosives	(4.5) Combustible Material	(TEMPERATURE CONDITION)
(1.4) Blasting Agents	(5.1) Oxidizers	4 Normal temperature (Normal Temperature)
(1.5) Insensitive Explosives	(5.2) Organic Peroxides	5 Greater than normal temperature
(2.1) Flammable Gases	(6.1) Poisonous Materials	6 Less than normal temperature, but not cryogenic
(2.2) Nonflammable Gases	(6.2) Etiologic Materials	7 Cryogenic conditions
(2.3) Poison Gases	(6.3) Acute Health Hazard	/ Cryogenic conducts
(3.1) Flammable Liq. (FP < 0°F)	(6.4) Chronic Health Haz.	
(3.2) Flammable Liq. (>O°F FP <73°	• • • • • • • • • • • • • • • • • • • •	TABLE 7 - CONVERSION TABLE
(3.3) Flammable Liq. (>0 F FF 3</td <td></td> <td></td>		
(4.1) Flammable Solids	(9.0) Misc. Haz. Materials	To Convert lbs. to gals. cu.ft. to gals To Convert lbs. to gals. cu.ft. to gals
•		Ammonia + by 5.14 + by 106.54 Liq. Nitrogen + by 6.75 + by 93.1
(4.2) Spontaneously Combustible Mater	TALL	Argon 11.63 112.46 Liq. Oxygen 9.52 115.0
	•	Carbon Dioxide 8.46 74.00 Propane 4.22 36.4
		• Freon 9.00 37.00 Nitrous Oxide 6.45 56.1
	•	<ul> <li>= AVERAGED CONVERSION FACTOR</li> </ul>

#### EXAMPLE

CHEMICAL NAME/TRADE NAME: CARBON DIOXIDE

PHYSICAL	UNIT OF	AVG QTY	MAX QTY	NUMBER DAYS	STORAGE CODE	HAZARD	U.N. NUMBER	N.F.P.A. 704
STATE	MEASURE	ON SITE	ON SITE	ON SITE		CLASSES	(If Known)	Designation
USE TABLE 1	USE TABLE 2	USE TABLE 3	USE TABLE 3	3 DIGIT NO.	USE TABLES 4 & 5	USE TABLE 6	1013	H F R S 2 0 0

STORAGE LOCATION (BE SPECIFIC): CARBON DIOXIDE IS STORED IN THE NORTHEAST CORNER OF THE BUILDING BETWEEN AISLES 18 & 19

#### **EXAMPLE: CARBON DIOXIDE**

Table 1 is the Physical State (2 = Liquid). Table 2 is the Unit of Measure (2 = Gallons). Table 3 \* is the Reportable Range, Average & Maximum Quantity on Site. The number of days on site per year, in this case 159, is entered next. Table 4 is the Storage Code (L = Cylinder). Table 5 is the Pressure and Temperature Conditions (2) = Greater than normal pressure, and (4) = Room temperature. Table 6 is Hazard Classification (2.2) = Non-flammable Gases. The United Nations (U.N.) number is 1013. The actual, physical location of the product must be listed in the Storage Location field.

<sup>\*</sup> This example lists (03) 20-54 and (04) 55-199; To convert lbs. or cubic feet to Gallons, use Table 7, [450 lbs. + by 8.46 = 53.19 gals.] Range Code 03; or [4,070 cubic feet + by 74.00 = 55 gals.] Range Code 04.

# HAZARDOUS SUBSTANCE SURVEY PLAN

# BUREAU OF FIRE, RESCUE & EMERGENCY SERVICES HAZARDOUS MATERIALS SECTION

P.O. BOX 14608 PORTLAND, OR 97214

SECTION A	PC	DRILAND, OR 9/2	14			
	THIS FORM MUST BE	SIGNED AND RE	<u>rurned</u> withi	N 30 DAY	s	
0. <u>X</u>	This Company / Business h and has been assigned Sta (Complete Section A and C	ate Fire Marshal accoun				√EY
1	No hazardous materials are	used at this site in any	way. (Complete	Section A an	d C Only)	
2	Hazardous materials are us requirements. (Complete S		mpany, but do not	meet minimu	ım reporting	
3	Hazardous materials are u (Complete <u>Sections A. B. C</u>		usiness in reportab	le quantities.		
SECTION B						
1. SIC Code that app	plies to business:					
2. Business Name:						
3. Describe Busines	ss:					
4. Site Address:		City _	·	_ St	Zip	<u>:</u>
5. Mailing Address (if different):	············	City		St	Zip	
6. Telephone Numbe	ers: ( )		( )			
7. Fax #: ( )_						
8. Building Name:						
9. Emergency Conta	acts: Name		Phone or	Pager#?		
After Hours:	Name		Phone or	Pager#?		
<ol> <li>Special emergencies, dean up agencies,</li> </ol>	cy arrangements with outside , etc.)	e agencies: ( i.e. local e	emergency medica	al assistance,	environmenta	l
Yes (List	Agencies Below) No	·				
Agency Name:			Pho	one: (     )		
Contact Person:						





SECTION C

#### THIS FORM MUST BE SIGNED AND RETURNED WITHIN 30 DAYS TO:

# BUREAU OF FIRE, RESCUE & EMERGENCY SERVICES P.O. BOX 14608 PORTLAND, OR 97214

I certify under penalty of perjury that the information contained in this survey is complete and accurate, to the best of my knowledge and that any <u>amendments or revisions to it will be submitted within 15 days</u>, and that I am authorized to make this certification on behalf of the below named business.

Business	Name KOPPERS IN	DUSTRIES INC	· · · · · · · · · · · · · · · · · · ·
Address _	7540 NW ST HELENS RD	City PORTLAND	StOR Zip97210
Signature	John a Offe	July 1	
(Type or	Print Name )JOHN A. OXF	ORD	
Title	PLANT MANAGER	Date: 11-18-92	Mailed 16-92
			16-18-92

YOU MAY DUPLICATE THIS FORM FOR ADDITIONAL SITES

PLEASE RETURN ALL YELLOW SHEETS IN ENVELOPE ENCLOSED

PLEASE MAKE A COPY OF THIS SURVEY FOR YOUR RECORDS

FROM:

KOPPERS INDUSTRIES INC

7540 NW ST HELENS RD

PORTLAND OR 97210

place stamp Here

Portland Bureau of Fire, Rescue & Emergency Services Hazardous Substance Section P.O. Box 14608 Portland, OR 97214



Completed and Model 2-12-93

PECEIVED

JAN 15 1993

KOPPERS INDS., INC. PORTLAND, OR

OFFICE OF
STATE FIRE
MARSHAL

Dear Oregon Survey Responder:

Once more it is time to update your firm's information on Hazardous Substances. This is for the 1992 calendar year.

As you know, the survey system provides important information to Emergency Managers and other emergency responders. It enables them to effectively plan and respond to incidents involving hazardous materials. Many agencies can access this information almost instantly through electronic data equipment during an actual emergency.

The survey year just concluded involved some unusual challenges, both for our staff and for survey responders. We wish to note with appreciation the many surveys returned on time that were very carefully completed. We appreciate the extra effort you took to correctly type and enter the information.

If you are new to the system, please take the time to read the enclosed instruction and definition booklet. It has been written to help you in filling out this survey. If you have any suggestions, please include them when you return the survey.

Remember that help is available through calling our Survey Hot-Line at (503) 378-6835. Thank you again.

JLR:jlr/hazmat/corr/svylt



4760 Portland Rd. NE Salem, OR 97305-1760 (503) 378-3473

**FORM COMPANY** 

1992-93

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY Account Number OREGON STATE FIRE MARSHAL

7540 NW ST HELENS

ZIP CODE:

006202

OSFMB1300P! READ THE INSTRUCTIONS AND DEFINITIONS BEFORE COMPLETING

TO COMPLETE, ADD OR MAKE CORRECTIONS: PLEASE TYPE CHANGES OR ADDITIONS IN THE APPROPRIATE COLORED AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA WHICH MAY APPEAR IN SECTIONS A. B AND D.

SECTIONA

HAZARDOUS SUBSTANCE PRESENCE (Enter the appropriate number, either 1, 2 or 3 in the box to the left)

3

- 1. No hazardous substances are used at this arte in any way. Type the number 1 in the box to the left. Complete Sections 8 and C.
- 2. Hazardous substances are used at this site by our company, but do not meet reporting requirements. Type number 2 in the box to the left. Complete Sections 8 and C.
- Hazardous substances are used, stored, or manufactured at this site by our business in reportable quantities. Type number 3 in the box to the left. Complete all parts of this form, Sections 3, C, and D.

SECTION B

4.

DEMOGRAPHIC DATA (Please complete, correct or add the following information to the colored areas if it is not preprinted. See

SIC CODE(S) Enter all that apply to business SIC 1 2865

SIC 2 0000

PORTLAND

COUNTY: MULTNOMAH

OR

SIC 30000

TYPE OF BUSINESS: CYCLIC CRUDES AND INTERMEDIATES

DUN & BRADSTREET No.: 02-773-4359

1844 C

MANAGER'S NAME:

**BUSINESS NAME:** 

JOHN OXFORD

KOPPERS INDUSTRIES INC

DEPT: or DIV.: TAR

MAILING ADDRESS:

CITY:

STATE:

SITE ADDRESS: 7540 NW ST HELENS RD

CITY: PORTLAND

COUNTY: MULTNOMAH

97210-0000 STATE: OR ZIP CODE:

10. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE:

STATE OF STATE

BUSINESS PHONE: 503-286-3681

JOHN OXFORD

Not to division

9. NUMBER OF EMPLOYEES AT THIS SITE:

**EMERGENCY CONTACT PHONES:** 

503-286-3681 NIGHT 206-576-0521

KOPPERS INDUSTRIES INC

11. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

12. SPECIAL EMERGENCY PROCEDURES: (See instructions, Use additional pages as necessary) NONE

13. ARE STORAGE BUILDINGS / TANKS / AREAS PLACARDED ACCORDING TO (NFPA 704)? (YES or NO)

97210-0000

SECTION C PERSON COMPLETING FORM THE RECVEIDATA IS: CORRECT AS SHOWN

PORTLAND

CORRECTIONS ARE MADE

PRINT NAME

JOHN A OXFORD

**SIGNATURE** 

7540 NW ST HELENS RD OR

97210-0000

3. DATE SURVEY COMPLETED:

THE NAME AND SIGNATURE OF THE PERSON RESPONSIBLE FOR COMPLETION OF THE FORM. THIS PERSON WILL BE CONTACTED TO ANSWER ANY QUESTIONS NEEDING CLARIFICATION.

PLEASE TYPE ALL ANSWERS

COMPANY INFO

## OREGON STATE FIRE MARSHAL

Account Number

#### HAZARDOUS SUBSTANCE EMPLOYER SURVEY

ECTION D. 2508STANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

006202

E RECEIVED IN THE SECURITY OF COMMON NAME/TRADE NAME: ACETONE HAZARDOUS INGREDIENT ACETONE 化类型电影 医皮肤管外侧线 经营业 IN HIGHEST CONCENTRATION: STORAGE CODE (USE TABLE IV & V) PHYSICAL STATE UNIT OF MEASURE AVG. AMT. CODE MAX. AMT. AMT, PER YEAR CODE NUMBER DAYS CN SITE CAS NO. (IF KNOWN) : - PURE USE TABLE VI USE TABLE : USE TABLE !! USE TABLE !!! USE TABLE!!! USE TABLE III 3 DIGIT NO. 2 - MIXTURE 3.2 3.1 0000067-64-1 2 365 01 01 01 1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER UN/NA NO. STORAGE LOCATIONS (BE SPECIFIC) IN LAB AT W END OF BLDG 1090 美國公開節 医斯拉德斯拉斯特 COMMON NAME/TRADE NAME: ACETYLENE HAZARDOUS INGREDIENT ACETYLENE IN HIGHEST CONCENTRATION: UNIT OF MEASURE AVG. AMT. CODE MAX. AMT. CODE CAS NO. (IF KNOWN) 1 - PURE 1 USE TABLE I USE TABLE II USE TABLE III USE TABLE III USE TABLE VI USE TABLE!! 3 DIGIT NO. 2.1 6.3 0000074-86-2 3 3 10 10 20 1 - NO CHANGE 2 - NEW 3 3 - CHANGE MADE 4 - NO LONGER USED UN/NA NO. STORAGE LOCATIONS (BE SPECIFIC) IN MAINTENANCE SHOP IN REAR OF BLDG. -1-CYLINDER-ON--PORTABLE-CART-IN-FRONT 1001 OF-SHOP-INSIDE AND CONTROLL OF THE CONTROL OF THE C COMMON NAME/TRADE NAME: COAL TAR PITCH HAZARDOUS INGREDIENT PYRENE IN HIGHEST CONCENTRATION: PHYSICAL STATE UNIT OF MEASURE AVG. AMT. CODE NUMBER DAYS ON SITE HAZARD CLASSES AMT. PER YEAR CODE MAX. AMT. CAS NO. (IF KNOWN) 3 DIGIT NO. USE TABLE VI USE TABLE I USE TABLE II USE TABLE III USE TABLEIII USE TABLE III 2 - MIXTURE 365 50 53 0065996-93-2 53 1 - NO CHANGE 2 - NEW 218 15.57.55 2500 3 - CHANGE MADE 4 - NO LONGER LISED UN/NA NO. STORAGE LOCATIONS (BE SPECIFIC) PITCH STORAGE -BLDG 0000 COMMON NAME/TRADE NAME: CREOSOTE **采访教育的基础模型的基本。企会通过基础。** CREOSOTE HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HAZARD CLASSES PHYSICAL I STATE NUMBER DAYS ON SITE AVG. AMT. MAX, AMT. CAS NO. (IF KNOWN) TABLE IV & / 2 USE TABLÉ I LUSE TABLE II LUSE TABLE III 2 40 USE TABLE III USE TABLE III 3 DIGIT NO. 365 USE TABLE VI 2 - MIXTURE 4.5 6.5 Q 1 008001-58-9 · · NO CHANGE 3 交级 动数 3 - CHANGE MADE 4 - NO LONGER USED STORAGE LOCATIONS (BE SPECIFIC) TANK FARM, RAIL TRACK SOUTH UN/NA NO. END OF PLANT 1993 (C) (2) (C)

OREGON STATE FIRE MARSHAL

Account Number

006202

HAZARDOUS SUBSTANCE EMPLOYER SURVEY

P2585STANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS REQUEST ADDITIONAL COPIES IF NEEDED

i HIGHEST C										A Company of the Comp
	ONCENTR PHYSICAL	ATION:	AVG. AMT.	MAX. AMT.	AMT, PER	NUMBER DAYS	STORAGE	CODE	HAZARD	1. 19 1 N. O. S.
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USED RAGE LOCATI			B IN R	EAR SA	MPLE R	OOM, IN	3			. UN/NA NO.
REHOUS						L			A	1993
in one see			عنصم بيم بدعوم					or and the	生心致命。如此	
OMMON NA	ME/TRADE	NAME: D	IESEL	#2						
AZARDOUS NHIGHEST (			ROLEUM	DISTI	LLATES					
T :-PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE (USE TABL	CODE EIV & V)	HAZARD CLASSES	CAS NO. (IF KNOW
2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLEIII 10	USE TABLE III	3 DIGIT NO. <b>365</b>	E	4	USE TABLE VI	0068476-3
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OF WAL	ME/TRADE INGREDIE CONCENTE	NAME: G NT PET ATION:	ASOLIN ROLEUM	E DISTI	LLATES		STORAGE (USE TAB)	CODE EIVA VI	HAZARD CHASSES USETABLE VI 3.1	CAS NO. (IF KNOW
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#### OREGON STATE FIRE MARSHAL Account Number

HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTION D 2588 STANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

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HAZARDOUS IN HIGHEST C — Haure	INGREDIENT CONCENTRATION PHYSICAL UNIT STATE MEAS USE TABLE: USE TA	PETROLEUM V: OF AVG. AMT. CODE ABLE II USE TABLE II	MAX. AMT. CODE	AMT, PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE C	ODE V&V)	CLASSES USE TABLE VI	,
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HAZARDOUS IN HIGHEST C	INGREDIENT CONCENTRATION PHYSICAL UNIT STATE MEAS USE TABLE   USE TA 2 CNS (SE SPECIFIC) NO OF BLD	PETROLEUM I: OF AVG.AMT. CODE BLE: USETABLE: 04  IN OIL S	MAX. AMT. CODE USE TABLEIII 04 STORAGE	AMT PER YEAR CODE USE TABLE III 10 ROOM	3 DIGIT NO. 365 365 IN WARHO	D I		CLASSES USE TABLE VI 4 . 5	0064742-5
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HAZARDOUS IN HIGHEST C	INGREDIENT CONCENTRATION PHYSICAL UNIT STATS MEAS USE TABLE   USE TA 2  CNS (SE SPECIFIC) ND-OF-BLD	PETROLEUM  I:  OF AVG. AMT.  CODE  BLE: USE TABLE:  04  IN OIL S  3-	MAX. AMT. CODE USE TABLEIII 04	AMT PER YEAR CODE USE TABLE III 10  ROOM	3 DIGIT NO. 365 IN WARHO		4	CLASSES USE TABLE VI 4.5	0064742-54 UN/NA NO.
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HAZARDOUS IN HIGHEST C  PURE  2-MIXTURE  3-CHANGE MADE  4-NO CHANGE USED  CRAGE LOCATIC  SE-SE-EI  COMMON NAI HAZARDOUS IN HIGHEST C  1-PURE 2-MIXTURE  2-MIXTURE  2-MIXTURE  1-NO CHANGE 2-MEW 3-CHANGE MADE 4-NO CHANGE 1-NO CHANGE	INGREDIENT CONCENTRATION PHYSICAL UNIT STATE MEA USE TABLE I USE TA  CNS (BE SPECIFIC) ND-OF-BLD  ME/TRADE NAME INGREDIENT CONCENTRATION PHYSICAL UNIT STATE MEA USE TABLE I USE TA  LUSE TABLE I USE TA  2	PETROLEUM  COF AVG. AMT. SURE CODE  BBLE   USE TABLE    O4  IN OIL S  NAPHTHA NAPHTHALE  CF AVG. AMT. SURE CODE  ABLE   USE TABLE    2	MAX. AMT. CODE USE TABLEIII 04  STORAGE  ALENE S ENE  MAX. AMT. CODE USE TABLEIII 30	ROOM  TILL RIVER YEAR CODE  WE TABLE III  10  ROOM  TILL RIVER YEAR CODE  USE TABLE III  30	IN WARHO  SIDUE  NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE (USE TABLE)	CODE IV & VI'S	CLASSES USE TABLE VI 4.5  HAZARD CLASSES USE TABLE VI	0064742-54 UN/NA NO. 1270 CAS NO. (IF KNOW

OREGON STATE FIRE MARSHAL Account Number

HAZARDOUS SUBSTANCE EMPLOYER SURVEY

P258BSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS
REQUEST ADDITIONAL COPIES IF NEEDED

006202

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PUPE	PHYSICAL STATE	UNIT OF MEASURE	AVG, AMT, CODE	MAX, AMT. CODE	AMT, PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CO	DE 3 V)	HAZARD CLASSES	CAS NO. (IF KNO)
2 - MIXTURE	USE TABLE I		USE TABLE III	USE TABLEIII 31	USE TABLE III	3 DIGIT NO. 365	Q 1 A 1	5	USE TABLE VI 4.2	0065996-9
- NEW - CHANGE MAD - NO LONGER			120		¥200			833	美国 美族	
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1 - PURE 2 - MIXTURE	USE TABLE!	_	USE TABLE III	1	USE TABLE III	ON SITE 3 DIGIT NO.	USE TABLE IV	8 V)	CLASSES USE TABLE VI	İ
1 - NO CHANGE	1	1	10	10	11	365		-	8.0 6.3	0001310-7
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USEO RAGE LOCAT DMMON NA AZARDOUS	AME/TRADE SINGREDIE	NAME: S		SULFIT						1823
DMMON NAZARDOUS	AME/TRADE SINGREDIEI CONCENTR	NAME: S VT SOD ATION:	ODIUM :	SULFIT	E	NUMBER DAYS				1823
DMMON NA	AME/TRADE SINGREDIEI CONCENTR PHYSICAL PSTATE USE TABLE I	NAME: S NT SOD ATION: UNIT OF MEASURE USE TABLE II	ODIUM SU  AVG. AMT. CODE USE TABLE III	SULFIT LFITE  MAX. AMT. CODE USE TABLEIII	E AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.			HAZARD CLASSES USE TABLE VI	1823 CAS NO. (IF KNOV
DMMON NAAZARDOUS HIGHEST	AME/TRADE SINGREDIEI CONCENTR PHYSICAL PHYSICAL STATE	NAME: S NT SOD ATION: LUNIT OF MEASURE	ODIUM SU	SULFIT LFITE	E AMT. PER YEAR CODE				HAZARD CLASSES	1823
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DMMON NA  ZARDOUS HIGHEST  MIXTURE  MIX	AME/TRADE SINGREDIEI CONCENTR PHYSICAL STATE USE TABLE I	NAME: S VT SOD ATION: UNIT OF MEASURE USE TABLE H	ODIUM SU  AVG. AMT. CODE USE TABLE III	SULFIT LFITE  MAX. AMT. CODE  USE TABLEIII  10	AMT. PER YEAR CODE USE TABLE III	3 DIGIT NO. 365	STORAGE OC (USE TABLE IV	CE 3 Vi	HAZARD CLASSES USE TABLE VI 6.3 5.1	1823  CAS NO. (IF KNOW)  0007757-8
DMMON NA  ZARDOUS HIGHEST  MIXTURE  MIX	AME/TRADE SINGREDIEI CONCENTR PHYSICAL STATE USE TABLE I	NAME: S VT SOD ATION: UNIT OF MEASURE USE TABLE H	ODIUM SU  AVG. AMT. CODE  USE TABLE HI 10	SULFIT LFITE  MAX. AMT. CODE  USE TABLEIII  10	AMT. PER YEAR CODE USE TABLE III	3 DIGIT NO. 365	STORAGE CC (USE TABLE IV	CE 3 YA	HAZARD CLASSES USE TABLE VI 6.3 5.1	1823  CAS NO. (IF KNOV  0007757-8  UN/NA NO.  0000
DMMON NA AZARDOUS HIGHEST  - NO SHANGE 2 - MIXTURE 2 - MIXTURE 2 - MIXTURE 1 - NO LONGER USED RAGE LOCAT	AME/TRADE SINGREDIE CONCENTR PHYSICAL STATE USE TABLE I 1 CONS (SE SPE	NAME: S VT SOD ATION: UNIT OF MEASURE USE TABLE II  CIFIC) IN	ODIUM IUM SU  AVG AMT. CODE USE TABLE HI 10  BOILE	SULFIT LFITE  MAX.AMT. CODE  USE TABLEIII  10  R ROOM	AMT. PER YEAR CODE USE TABLE III 11 E END	3 DIGIT NO. 365	STORAGE CC (USE TABLE IV	CE 3 Y)	HAZARD CLASSES USE TABLE VI 6.3 5.1	1823  CAS NO. (IF KNOV  0007757-8  UN/NA NO.
DMMON NA AZARDOUS HIGHEST  WHE  WHIGHEST  WHE  MINITURE	AME/TRADE SINGREDIE CONCENTR PHYSICAL STATE USE TABLE I 1 CONS (SE SPE	NAME: S VT SOD ATION: UNIT OF MEASURE USE TABLE II  CIFIC) IN	ODIUM IUM SU  AVG AMT. CODE USE TABLE HI 10  BOILE	SULFIT LFITE  MAX.AMT. CODE  USE TABLEIII  10  R ROOM	AMT. PER YEAR CODE USE TABLE III 11 E END	3 DIGIT NO. 365	STORAGE CC (USE TABLE IV	CE 3 Y)	HAZARD CLASSES USE TABLE VI 6.3 5.1	1823  CAS NO. (IF KNOV  0007757-8  UN/NA NO.  0000
DMMON NA AZARDOUS HIGHEST CONTRECT CONT	AME/TRADE SINGREDIEI CONCENTR PHYSICAL STATE USE TABLE I 1	NAME: S VT SOD ATION: UNIT OF MEASURE USE TABLE II  CIFIC) IN  NAME: S	ODIUM IUM SU  AVG AMT. CODE USE TABLE HI 10  BOILE	SULFIT LFITE  MAX.AMT. CODE  USE TABLEIII  10  R ROOM  GRADE	E AMT. PER YEAR CODE USE TABLE III 11 E END	3 DIGIT NO. 365	STORAGE CO. (USE TABLE IV	CE 3 Y)	HAZARD CLASSES USE TABLE VI 6.3 5.1	1823  CAS NO. (IF KNOV  0007757-8  UN/NA NO.  0000
DMMON NA AZARDOUS  1. MO SHANGE 2. MIXTURE 1. MO SHANGE 2. MIXTURE 1. SED 1. SED 2. MIXTURE 1. SED 2. MIXTURE 1. SED 2. MIXTURE 2. MIXTURE 2. MIXTURE 3. SHANGE MAD 4. MO SHANGE 3. SED 3. SHANGE 4. MO SHANGE 3. SED 3. SHANGE 4. MO SHANGE 4. MO SHANGE 4. MO SHANGE 4. MO SHANGE 5. SED 5. MIXTURE 6.	AME/TRADE SINGREDIE CONCENTR PHYSICAL USE TABLE USE TABLE SIONS (SE SPE	NAME: S VT SOD ATION: UNIT OF MEASURE USE TABLE II  CIFIC) IN  NAME: S NT PET	ODIUM SU  AVG. AMT. CODE USE TABLE HI 10  BOILE	SULFIT LFITE  MAX.AMT. CODE  USE TABLEIII  10  R ROOM  GRADE	E AMT. PER YEAR CODE USE TABLE III 11 E END	3 DIGIT NO. 365	STORAGE CO. (USE TABLE IV	CE 3 Y)	HAZARD CLASSES USE TABLE VI 6.3 5.1	1823  CAS NO. (IF KNOV  0007757-8  UN/NA NO.  0000
DMMON NA IZARDOUS  I SHANGE  I NO SHANGE  I NO SHANGE  I NO CHANGE  I SED  IAGE LOCAT	AME/TRADE SINGREDIE CONCENTR PHYSICAL USE TABLE USE TABLE SINGREDIE SINGREDIE CONCENTR	NAME: S VT SOD ATION: UNIT OF MEASURE USE TABLE II  CIFIC) IN  NAME: S VT PET ATION:	ODIUM IUM SU  AVG. AMT. CODE USE TABLE III 10  BOILE OLVENT ROLEUM	SULFIT LFITE  MAX.AMT. CODE USE TABLEIII 10  R ROOM  GRADE NAPHT	E AMT. PER YEAR CODE USE TABLE III 11 E END COAL THA	TAR NAPH	STORAGE OF CUSE TABLE IV	CE 3 V)	HAZARD CLASSES USE TABLE VI 6.3 5.1	1823  CAS NO. (IF KNOV  0007757-8  UN/NA NO.  0000
DMMON NA AZARDOUS ANGE LOCAT  DMMON NA AZARDOUS ANGE MAD ANGE MAD ANGE MAD ANGE LOCAT  DMMON NA AZARDOUS	AME/TRADE SINGREDIEI CONCENTR PHYSICAL USE TABLE I  I CONS (BE SPE AME/TRADE SINGREDIEI CONCENTR PHYSICAL USE TABLE I  L L L L L L L L L L L L L L L L L L	NAME: S VT SOD ATION:  UNIT OF MEASURE  USE TABLE II  CIFIC) IN  NAME: S VT PET ATION:  UNIT OF MEASURE USE TABLE II	ODIUM SU  AVG. AMT. CODE USE TABLE III  BOILE  OLVENT ROLEUM  AVG. AMT. CODE USE TABLE III	SULFIT LFITE  MAX. AMT. CODE USE TABLEIII 10  R ROOM  GRADE NAPHT  MAX. AMT. CODE USE TABLEIII	E AMT. PER YEAR CODE III III III III III III III III III I	TAR NAPHT  NUMSER DAYS ON SITE 3 DIGIT NO.	STORAGE CO. (USE TABLE IV	CE 3 V)	HAZARD CLASSES USE TABLE VI 6.3 5.1	1823  CAS NO. (IF KNOV  0007757-8  UN/NA NO.  0000  CAS NO. (IF KNOV
DMMON NA IZARDOUS HIGHEST  OMMON SHANGE  OMMON SHANGE  OMMON SHANGE  MAGE LOCAT  DMMON NA IZARDOUS HIGHEST  OMMON NA IZARDOUS HIGHEST  OMMON NA IZARDOUS HIGHEST  OMMON NA IZARDOUS  HIGHEST  OMME  OMMON NA IZARDOUS  IMAGE  IMAGE  OMMON NA IZARDOUS  IMAGE	AME/TRADE SINGREDIE CONCENTR PHYSICAL STATE USE TABLE  CICNS (SE SPE	NAME: S NT SOD ATION: UNIT OF MEASURE USE TABLE H  CIFIC) IN NAME: S NT PET ATION: UNIT OF MEASURE	ODIUM SU  AVG. AMT. CODE USE TABLE HI  BOILE  OLVENT ROLEUM  AVG. AMT. CODE	SULFIT LFITE  MAX. AMT. CODE USE TABLEII 10  R ROOM  GRADE NAPHT  MAX. AMT. CODE	E AMT PER YEAR CODE USE TABLE III 11 11 E END	TAR NAPHT	STORAGE OF CUSE TABLE IV	CE 3 V)	HAZARD CLASSES USE TABLE VI 6.3 5.1	1823  CAS NO. (IF KNOV  0007757-8  UN/NA NO.  0000
DMMON NA ZARDOUS HIGHEST HOUSE HIGHEST	AME/TRADE SINGREDIEI CONCENTR PHYSICAL STATE USE TABLE I  I CONS (SE SPE  AME/TRADE SINGREDIEI CONCENTR PHYSICAL STATE USE TABLE I 2	NAME: S VT SOD ATION: UNIT OF MEASURE USE TABLE II  CIFIC) IN  NAME: S VT PET ATION: UNIT OF MEASURE USE TABLE II UNIT OF MEASURE USE TABLE II 2	ODIUM SU  AVG. AMT. CODE USE TABLE III 10  BOILE  OLVENT ROLEUM  AVG. AMT. CODE USE TABLE III 30	SULFIT LFITE  MAX. AMT. CODE USE TABLEII  10  R ROOM  GRADE NAPHT  MAX. AMT. CODE USE TABLEII 30	E AMT PER YEAR CODE USE TABLE III 11 E END COAL 1 HA	TAR NAPHT  NÚMSER DAYS ON SITE 3 DIGIT NC. 365	STORAGE CO. (USE TABLE IV	CE 3 V)	HAZARD CLASSES USE TABLE VI 6.3 5.1 HAZARD CLASSES USE TABLE VI 3.3	1823  CAS NO. (IF KNOW  0007757-8  UN/NA NO.  0000  CAS NO. (IF KNOW  065996-79
DMMON NA IZARDOUS HIGHEST  ON OCHANGE 2 - MIXTURE  ON OCHANGE 3 - CHANGE MAC  DISCO MAGE LOCAT  DMMON NA IZARDOUS HIGHEST  ON MON NA IZARDOUS HIGHEST  ON OCHANGE 2 - NEV  ON OCHANGE 3 - NO CHANGE 4	AME/TRADE SINGREDIE CONCENTR PHYSICAL USE TABLE I I ICONS (SE SPE CONCENTR PHYSICAL SINGREDIE CONCENTR PHYSICAL USE TABLE USE TABLE USE TABLE 2	NAME: S VT SOD ATION:  UNIT OF MEASURE  USE TABLE II  CIFIC) IN  NAME: S VT PET ATION:  UNIT OF MEASURE USE TABLE II  2	ODIUM SU  AVG. AMT. COOE USE TABLE III  BOILE  OLVENT ROLEUM  AVG. AMT. COOE USE TABLE III 30	SULFIT LFITE  MAX. AMT. CODE USE TABLEII 10  R ROOM  GRADE NAPHT  MAX. AMT. CODE USE TABLEII 30	E AMT PER YEAR CODE USE TABLE III 11 E END  COAL THA  AMT PER YEAR CODE III 30	TAR NAPHT  NUMSER DAYS ON SITE 3 DIGIT NO.	STORAGE CO. (USE TABLE IV	CE 3 V)	HAZARD CLASSES USE TABLE VI 6.3 5.1	1823  CAS NO. (IF KNOV  0007757-8  UN/NA NO.  0000  CAS NO. (IF KNOV

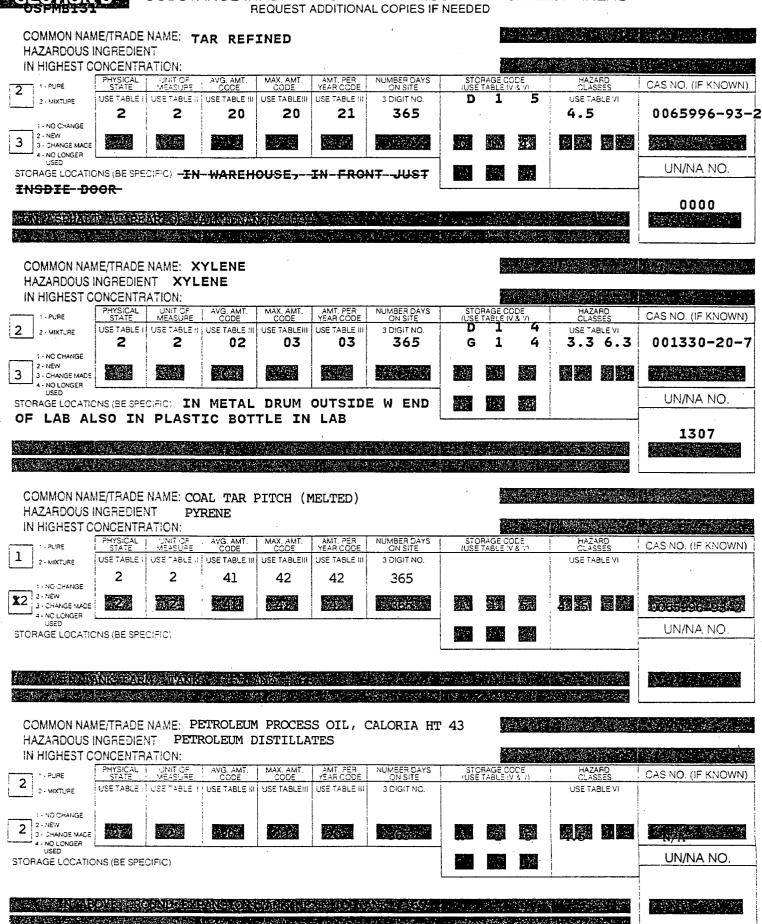
**OREGON STATE FIRE MARSHAL** 

Account Number

HAZARDOUS SUBSTANCE EMPLOYER SURVEY

ECTION D 2588STANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

006202



### OREGON STATE FIRE MARSHAL

Account Number HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTION D 2388STANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

006202

是在一种的心理,因此是是有种的问题。 COMMON NAME/TRADE NAME: OXYGEN HAZARDOUS INGREDIENT OXYGEN 等的**的复数形式的现在分**数 IN HIGHEST CONCENTRATION: PHYSICAL UNIT OF STATE MEASURE MAX, AMT. CODE NUMBER DAYS ON SITE STORAGE CODE (USE TABLE IV & V) HAZARD CAS NO. (IF KNOWN)  $\Pi$ USE TABLE ! | USE TABLE !! | USE TABLE !!! USE TABLEIII USE TABLE II 3 DIGIT NO USE TABLE VI 2 - MIXTURE 2.2 5.1 365 007782-44-7 3 3 11 20 20 1 - NO CHANGE 2 - NEW 3,6 25 75 **注意的是自己的知识**。 3 传统 Spt 3 - CHANGE MADE UN/NA NO STORAGE LOCATIONS (BE SPECIFIC) CYLINDER MOUNTED ON SOUTHSID E OF LABORATORY BUILDING OUTSIDE, IN MAINTENAN CE SHOP IN REAR, TICYTINDER ON CART IN FRONT OF SHOP 1072 COMMON NAME/TRADE NAME: PERCHLOROETHYLENE HAZARDOUS INGREDIENT PERCHLOROETHYLENE IN HIGHEST CONCENTRATION: PHYSICAL STATE UNIT OF MEASURE AMT, PER YEAR CODE NUMBER DAYS MAX. AMT. AVG. AMT. CAS NO. (IF KNOWN) ON SITE (USE TABLE IV & V) 2 USE TABLE F USE TABLE II USE TABLE III USE TABLEIII USE TABLE III 3 DIGIT NO. USE TABLE VI 2 - MIXTURE 000127-18-4 2 03 03 03 365 6.3 6.4 1 - NO CHANGE 3 2 - YEW 3,50 0.0 3 - CHANGE MADE 4 - NO LONGER USED UN/NA NO. STORAGE LOCATIONS (BE SPECIFIC) IN METAL DRUM OUTSIDE W END OF LAB 1897 COMMON NAME/TRADE NAME: PROPANE HAZARDOUS INGREDIENT PROPANE IN HIGHEST CONCENTRATION: UNIT OF MEASURE AVG. AMT. CODE MAX. AMT. CODE AMT, PER YEAR CODE PHYSICAL STATE NUMBER DAYS HAZARD CLASSES CAS NO. (IF KNOWN) : PURE (V & V) 3 DIGIT NO. USE TABLE VI USE TABLE I USE TABLE II USE TABLE III USE TABLEIII USE TABLE III 2 - MIXTURE 2.1 6.3 000074-98-6 04 04 10 365 1 - NO CHANGE 2 - NEW 100 3 7 130 A STATE OF STREET 3 - CHANGE MADE 4 - NO LONGER UN/NA NO. STORAGE LOCATIONS (BE SPECIFIC) IN OIL ROOM IN WAREHOUSE SOU THEAST END OF BUILDING, IN FORK CIFTS IN FRONT 1978 OF-WAREHOUSE, ON TRACK #5 LOADING STATION Service of the control of the contro ANTANE 1041084109144(CiDXXIII) COMMON NAME/TRADE NAME: QUINOLINE REFINED HAZARDOUS INGREDIENT QUINOLINE POR CHARGE BELLEVILLE OF THE STATE OF THE ST IN HIGHEST CONCENTRATION: PHYSICAL STATE UNIT OF MEASURE AVG. AMT. CODE MAX. AMT. CODE AMT. PER YEAR CODE NUMBER DAYS ON SITE HAZARD CLASSES CAS NO. (IF KNOWN) : 3 - MIXTURE USE TABLE I USE TABLE III USE TABLE III 2 02 USE TABLE VI 00091-22-5 02 02 365 8.0 : NO CHANGE 2 - NEW Carry Con. 1. 特别交往 新西 數源 1000 3 - CHANGE MADE 4 - NO LONGER STORAGE LOCATIONS (BE SPECIFIC) IN WHISE JUST INSIDE OF MAIN UN/NA NO. DOOR ON HE SIDE OF BLDG. ALSO IN LAB - NO MORE 1760 THAN-5-GAL-PRESENT-學和表現或在的有關的有效的發展的可能可能可能可能可以不同的。 事。但是否是於

## 1993 -1994 OREGON STATE FIRE MARSHAL Account Number HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTIO	N D	SUBST	ANCE I	NFORM	IATION -	TYPE OR PE	RINT <b>CHANGES</b> IN T	HE BRACKETED	AREAS H	
OSFMB131 COMMON NAM HAZARDOUS	•		CETONE	·			[			]
IN HIGHEST C			TONE				[			]
1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT, PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)	
2 - MIXTURE	USE TABLE !	USE TABLE II	01	USE TABLEIII  01	USE TABLE III  01	3 DIGIT NO. <b>365</b>	F 1 4	3.1 3.2	0000067-64-1	
2 - NEW 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		[ ][ ]	[[ ]	
4 - NO LONGER USED STORAGE LOCATION	ONS (REQUIF	RED) IN	LAB A	T W EN	D OF B	LDG			UN/NA NO. (IF KNOWN)	
							<del></del>		1090	
[								]	[ ]	
	. <b></b>									_
COMMON NAM HAZARDOUS	•		CETYLE TYLENE				[			]
IN HIGHEST C	ONCENTR			·			]			]
1 - PURE	PHYSICAL STATE USE TABLE	UNIT OF MEASURE	AVG. AMT. CODE USE TABLE III	MAX, AMT, CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)	
2 - MIXTURE	3	3	10	10	20	365		2.1 6.3	0000074-86-2	
2 - NEW 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[][][]	[][]	[ ]	
4 - NO LONGER USED STORAGE LOCATION	ONS (REQUIF	RED) IN			SHOP				UN/NA NO. (IF KNOWN)	
OF BLDG.		INDERS	ON 2	PORTAB	LE CAR	TS IN FR		<u> </u>	1001	
[								]	[ ]	
- <del>L</del>	. – – –							<sup>]</sup>		_
COMMON NAM HAZARDOUS	•					=1,758,726	<b>.</b>	CAR PITCH (L	IQUID)	
IN HIGHEST C	ONCENTR	ATION:					Į			
1 · PURÉ	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V) A J 5	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)	
2 - MIXTURE	2	2	41	42	42	365		4.5 0	0065996-93-2	
3 2 - NEW 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ 50 ]	[ ]	[][][]	[ ][ ]	[ ]	
4 - NO LONGER USED STORAGE LOCATION	ONS (REQUIF	RED) IN	TANK	FARM,	TANK #	65 AND #			UN/NA NO. (IF KNOWN)	
68		·.				1			Code Section	
[IN T	ANK FAF	RM, TANK	'S #65	AND #68				]	[ 3082 ]	
[								]		_
COMMON NAM			OAL TA	R PITC	Н	<b>;</b> ;	[ COAL T	CAR PITCH (P	ENCIL)	Ì
HAZARDOUS IN HIGHEST C			ENE		29,48	13,746	ſ		1	l
1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)	
2 - MIXTURE	USE TABLE I	USE TABLE II	50	USE TABLEIN	USE TABLE III	3 DIGIT NO. <b>365</b>	K 1 4	USE TABLE VI 4.5 0	0065996-93-2	
1 - NO CHANGE 2 - NEW 3 - CHANGE MADE	[ ]	<sub>[ ]</sub>	[ 53]	[60]	[61]	[ ]	[][][]	· [ ] [ ]	[ ' ]	
4 - NO LONGER USED STORAGE LOCATION	NS (REQUIR	RED) PI			BUILDI	NGS			UN/NA NO. (IF KNOWN)	
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COMMON NAM	-		_		SOT	E							[						. ]
HAZARDOUS I			CRE	oso	TE								ſ						1
1	PHYSIC/ STATE	IL U	NIT OF ASURE		AMT.		. AMT.	AMT. PEI	7 1	NUMBER DAYS ON SITE	,	STORA	GE CO	DE & VI	1 ,	HAZARD CLASSE:	<u> </u>	CAS NO. (IF KNO	(NWC
2 1-PURE 2-MIXTURE	USE TAB		TABLE II		ABLE III			USE TABLE		3 DIGIT NO.		D	1	4		E TABLE		,	
1 - NO CHANGE	2		2		10		10	20	)	365		F	1	4	4	.5	5.5	008001-58	3-9
2 - NEW 3 - CHANGE MADE 4 - NO LONGER	[	] [	]	[	]	. [	]	[	]	[ ]	[	] [	]	$[ \ ]$	]	] [	]	[	]
STORAGE LOCATIO	ONS (REC	(UIRED)	Ι.Δ	R I	N. R	FAR	≥ SA	MPLE	RO	OM, AND	ſ	1 [	1	r 1				UN/NA NO. (IF KN	NOMN)
ON ASPHA											<u> </u>								
r																	1	<b>1989</b>	,
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<u>L</u>																			
COMMON NAM	•					Έ							[						]
HAZARDOUS I			CRE ON:	USU	)   E								Γ						1
1-PURE	PHYSIC/ STATE		NIT OF EASURE	AVG.	, AMT.		. AMT.	AMT. PE		NUMBER DAYS ON SITE		STORA USE TAI	GE CO	DE & V)	Τ,	HAZARE CLASSE	)	CAS NO. (IF KNO	DWN)
2 2 - MIXTURE	USE TAB		TABLE II		ABLE III		TABLEIII	USE TABL	E III	3 DIGIT NO. 365	ļ,	Α	1	5 5	US	E TABLE	E VI	00001-50	2-0
1 - NO CHANGE	2		2		40		40	51	<b>,</b>	305		Q	_	5	~	، د	0.5	008001-58	,-9
3 - CHANGE MADE	[	] [	]	[	]	]	1	[	]	[ ]	[	] [	]	[ ]	]	] [	]	[	][
						1	•	l	_										
4 - NO LONGER USED STORAGE LOCATIO	ONS (REC	UIRED)	TA	NK	FAR	M,	RAI	L TRA	ACK	SOUTH	1	1 [	1	[ ]				UN/NA NO. (IF KN	IOWN)
STORAGE LOCATION OF PI		)UIRED)	TA	NK	FAR	LM <sub>σ</sub>	RAI	L TR	ACK	SOUTH	[	] [	]	[ ]					IOWN)
STORAGE LOCATION END OF PI	LANT										[	] [	]	[]				1992	IOWN)
STORAGE LOCATION END OF PI	LANT FARM									SOUTH	IN A	] [ A RA	] .IL	[ ]	ON		]		JOWN)
STORAGE LOCATION END OF PI	LANT FARM	I, TA	NK'S	#20	, #3 	9, 1					[ IN .	] [	] . <u>IL</u> 	[ ]	ON		]	1992	JOWN)
STORAGE LOCATION END OF PI	LANT  FARM  3  ME/TRA	I, TAI 	NK'S	#20 	, #3 	9, 1  # <b>2</b>	AND :		DR P		[ IN .	] [	] .IL 	CAR	ON		]	1992	J J
STORAGE LOCATION END OF PI	E FARM  3  ME/TRAI  INGREE  ONCEN	I, TAI  DE NAM DIENT	NK'S  ME: D PET ON:	#20 IES	, #3  SEL .EUM	9, 1  #2	AND :	#67, c	DR PO	OSSIBLY			[ [				]	<b>13082</b>	]
TRACK #  COMMON NAM HAZARDOUS IN HIGHEST C	FARM  GE/TRA  INGRED  ONCEN  PHYSICA  PHYSICA  ONCEN	DE NAM	NK'S  ME: D  PET  ON:  NIT OF  EASURE	#20	, #3	9, 1  #2   DI	AND :	#67 / C	DR P			] [ A RA	[ [			HAZARC CLASSE E TABLE		1992	]
STORAGE LOCATION END OF PI  IN TANK TRACK #  COMMON NAM HAZARDOUS IN HIGHEST COMMON PI  1 - PURE 2 - MIXTURE	FARM  GE/TRA  INGRED  ONCEN  PHYSICA  PHYSICA  ONCEN	DE NAM	NK'S  ME: D PET ON:	#20	, #3	9, 1  #2   DI	AND :	#67, C	DR P	OSSIBLY  NUMBER DAYS ON SITE			[ [		US	E TABLE	VI	<b>13082</b>	] [ (NWC
TRACK #  COMMON NAM HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW	FARM  G  ME/TRA  INGRED  ONCEN  PHYSIC  STATE  USE TAB	DE NAM	NK'S  ME: D  PET  ON:  NIT OF  EASURE  I TABLE II	#20	, #3	9, 1  #2   DI	AND :	#67, C	DR P	OSSIBLY  NUMBER DAYS ON SITE 3 DIGIT NO.			[ [		US	E TABLE	VI	[ 3082 CAS NO. (IF KNO	] [ (NWC
TRACK #  COMMON NAM HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE MADE 1 - NO	FARM  FARM  ME/TRA  INGRED  ONCEN  PHYSIC  STATE  USE TAB  2	DE NAMENT TRATIC ME	NK'S  ME: D  PET  ON: NIT OF ASURE ITABLE II  2	#20 IES ROL AVG	, #3 ELLEUM AMT. ODE ABLE III	9, 2 #2 DI MAX CC USE T	AND :  CAMT. ODE TABLEIII  10	#67, C	DR PO	OSSIBLY  NUMBER DAYS ON SITE 3 DIGIT NO. 365	[		[ [		US	E TABLE	VI	CAS NO. (IF KNO.)  0068476-3	] ] DWN) 34-6
TRACK #  COMMON NAM HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE MADE MADE MADE STORAGE LOCATIO	ME/TRAINGRED ONCEN PHYSIC STATE USE TAB 2 DNS (REC	DE NAMENT TRATIC  LE USE  DUIRED)	NK'S  ME: D  PET  ON: NIT OF ASURE ITABLE II  2	#20 IES ROL AVG.CC USE T	, #3 ELLEUM  AMT. ODE ABLE III O4  ]	9, 1 #2 DI MAX CC USE T	AND :  CAMT. ODE TABLEHI  ODE TABLEHI  DRU	#67, C	DR PO	OSSIBLY  NUMBER DAYS ON SITE 3 DIGIT NO. 365	[		[ [		US	E TABLE	VI	[ 3082 CAS NO. (IF KNO	] ] DWN) 34-6
TRACK #  COMMON NAM HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE MADE 1 - NO	ME/TRAINGRED ONCEN PHYSIC STATE USE TAB 2 DNS (REC	DE NAMENT TRATIC  LE USE  DUIRED)	NK'S  ME: D  PET  ON: NIT OF ASURE ITABLE II  2	#20 IES ROL AVG.CC USE T	, #3 ELLEUM  AMT. ODE ABLE III O4  ]	9, 1 #2 DI MAX CC USE T	AND :  CAMT. ODE TABLEHI  ODE TABLEHI  DRU	#67, C	DR PO	OSSIBLY  NUMBER DAYS ON SITE 3 DIGIT NO. 365	[		[ [		US	E TABLE	VI	CAS NO. (IF KNO.)  0068476-3	] ] DWN) 34-6
TRACK #  COMMON NAM HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE MADE MADE MADE STORAGE LOCATIO	ME/TRAINGRED ONCEN PHYSIC STATE USE TAB 2 DNS (REC	DE NAMENT TRATIC  LE USE  DUIRED)	NK'S  ME: D  PET  ON: NIT OF ASURE ITABLE II  2	#20 IES ROL AVG.CC USE T	, #3 ELLEUM  AMT. ODE ABLE III O4  ]	9, 1 #2 DI MAX CC USE T	AND :  CAMT. ODE TABLEHI  ODE TABLEHI  DRU	#67, C	DR PO	OSSIBLY  NUMBER DAYS ON SITE 3 DIGIT NO. 365	[		[ [		US	E TABLE	VI	CAS NO. (IF KNO.) 0068476-3 [ UN/NA NO. (IF KNO.)	] ] DWN) 34-6
TRACK #  COMMON NAM HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE MADE MADE MADE STORAGE LOCATIO	ME/TRAINGRED ONCEN PHYSIC STATE USE TAB 2 DNS (REC	DE NAMENT TRATIC  LE USE  DUIRED)	NK'S  ME: D  PET  ON: NIT OF ASURE ITABLE II  2	#20 IES ROL AVG.CC USE T	, #3 ELLEUM  AMT. ODE ABLE III O4  ]	9, 1 #2 DI MAX CC USE T	AND :  CAMT. ODE TABLEHI  ODE TABLEHI  DRU	#67, C	DR PO	OSSIBLY  NUMBER DAYS ON SITE 3 DIGIT NO. 365	[		[ [		US	E TABLE	VI	CAS NO. (IF KNO.) 0068476-3 [ UN/NA NO. (IF KNO.)	] ] DWN) 34-6
TRACK #  COMMON NAM HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE MADE MADE MADE STORAGE LOCATIO	FARM  FARM  ME/TRA  INGRED  ONCEN  PHYSIC  STATE  USE TAB  2  INTER	DE NAMILE I USE  LE I USE  J [ DUIRED) NANC	NK'S  ME: D  PET  ON:  NIT OF  ASURE  TABLE II  IN  E SH  ME: G	#20  IES ROL  AVG CC USE T.	AMT. ODE ABLE III O4  AST OUT	9, 1 #2 MAX CC USET	AND :  CAMT. ODE TABLEII  10  DRU DE	#67, C	DR POES	OSSIBLY  NUMBER DAYS ON SITE 3 DIGIT NO. 365	[		[ [		US	E TABLE	VI	CAS NO. (IF KNO.) 0068476-3 [ UN/NA NO. (IF KNO.)	] ] DWN) 34-6
TRACK #  IN TANK TRACK #  COMMON NAM HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER  STORAGE LOCATIO NT OF MAD  COMMON NAM HAZARDOUS I	ME/TRAINGRED ONCEN PHYSIC STATE USE TAB 2 INTER	DE NAMIENT TRATIC  LE USE  DUIRED) NANC  DE NAMIENT	NK'S  ME: D  PET  ON: NIT OF ASURE ITABLE II  Z  IN E SH  ME: G  PET	#20  IES ROL  AVG CC USE T.	AMT. ODE ABLE III O4  AST OUT	9, 1 #2 MAX CC USET	AND :  CAMT. ODE TABLEII  10  DRU DE	#67, C	DR POES	OSSIBLY  NUMBER DAYS ON SITE 3 DIGIT NO. 365	[		[ [		US	E TABLE	VI	CAS NO. (IF KNO.) 0068476-3 [ UN/NA NO. (IF KNO.)	] ] DWN) 34-6
TRACK #  IN TANK  TRACK #  COMMON NAM  HAZARDOUS I IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO COMMON NAM  HAZARDOUS I IN HIGHEST C	ME/TRAI  ONCEN PHYSIC STATE USE TAB  ONS (REC INTEN  ME/TRAI INGRED ONCEN PHYSIC ONCEN PHYSIC ONCEN PHYSIC ONCEN PHYSIC ONCEN PHYSIC	DE NAMIDIENT TRATIC  AL USE  BUIRED) NANC  DE NAMIDIENT TRATIC TRATIC	NK'S  ME: D  PET  ON:  NIT OF  ASURE  TABLE II  Z  IN  E SH  ME: G  PET  ON:  NIT OF	#20  IES ROL  AVG CC CC USET  PL OP	AMT. ODE ABLE III O4  AST OUT	9, 1 #2 MAX CC CC SID	AND :  CAMT. ODE TABLEHI  DRU  DE	#67, C	DR PO	OSSIBLY  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] IN FRO	[	STORA LUSE TA			3 [	] [	4.5 ]	CAS NO. (IF KNO.)  1993  [	] ] ] 34-6 ] IOWN) ]
TRACK #  IN TANK  TRACK #  COMMON NAM  HAZARDOUS I IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NOLONGER  STORAGE LOCATIC  NT OF MAD  COMMON NAM  HAZARDOUS I IN HIGHEST C	ME/TRAINGRED ONCEN PHYSIC USE TAB  ME/TRAI INGRED ONS (REC INTEI  ME/TRAI INGRED ONCEN PHYSIC STATE USE TAB	DE NAME  TRATIC  JUIRED  DE NAME  TRATIC  TRATIC  LE JUIRED  TRATIC  TRATIC  LE JUIRED  TRATIC  TRATIC  LE JUIRED  TRATIC  TRATIC  TRATIC  TRATIC  TRATIC	NK'S  ME: D  PET  ON:  NIT OF  ASURE  TABLE II  TABLE II  TABLE II  IN  TABLE II	#20 IES ROL  AVG CC USE T.	AMT. ODE AMT. OLIN AMT. ODE ABLE III	#2 MAX CC SID	AND :  CAMT. ODE TABLEIII  DRU  DE  CAMT. ODE TABLEIII  AMT. ODE TABLEIII	AMT. PE YEAR COI USE TABLI	DR POES	OSSIBLY  NUMBER DAYS ON SITE 3 DIGIT NO.  NUMBER DAYS ON SITE 3 DIGIT NO.	[	STORA LUSE TA	GE COO	DE & V) 4		B TABLE  3 1  ] [  HAZARE E TABLE	4.5	CAS NO. (IF KNO.)  [ UN/NA NO. (IF KNO.)  1993 [ CAS NO. (IF KNO.)	]   DWN)   34-6   JOWN)   ]
TRACK #  IN TANK  TRACK #  COMMON NAM  HAZARDOUS I IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO COMMON NAM  HAZARDOUS I IN HIGHEST C	FARM  FARM  ME/TRA  INGRED  ONCEN  PHYSIC  STATE  ONS (REC  INTER  ME/TRA  INGRED  ONCEN  PHYSIC  PHYSIC  ONCEN  PHYSIC  ONCEN  PHYSIC  ONCEN	DE NAME  TRATIC  JUIRED  DE NAME  TRATIC  TRATIC  LE JUIRED  TRATIC  TRATIC  LE JUIRED  TRATIC  TRATIC  LE JUIRED  TRATIC  TRATIC  TRATIC  TRATIC  TRATIC	ME: D PET ON: NIT OF EASURE  NE: G PET ON:	#20 IES ROL  AVG CC USE T.	AMT. OLIN	#2 MAX CC SID	AND :  CAMT.  ODE  DRU  DRU  CAMT.  ODE	#67, C	DR POES	OSSIBLY  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] IN FRO	[	STORA LUSE TA				B TABLE  3 1  ] [	4.5	CAS NO. (IF KNO.)  1993  [	]   DWN)   34-6   JOWN)   ]
STORAGE LOCATIC END OF PI  IN TANK TRACK #  COMMON NAM HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE MADE 4 - NO LONGER USED STORAGE LOCATIC NT OF MAJ  COMMON NAM HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 1 - NO CHANGE 1 - PURE 2 - MIXTURE	ME/TRAINGRED ONCEN PHYSIC USE TAB  ME/TRAI INGRED ONS (REC INTEI  ME/TRAI INGRED ONCEN PHYSIC STATE USE TAB	DE NAME  TRATIC  JUIRED  DE NAME  TRATIC  TRATIC  LE JUIRED  TRATIC  TRATIC  LE JUIRED  TRATIC  TRATIC  LE JUIRED  TRATIC  TRATIC  TRATIC  TRATIC  TRATIC	NK'S  ME: D  PET  ON:  NIT OF  ASURE  TABLE II  TABLE II  TABLE II  IN  TABLE II  TABL	#20 IES ROL  AVG CC USE T.	AMT. ODE AMT. OLIN AMT. ODE ABLE III	#2 MAX CC SID	AND :  CAMT. ODE TABLEIII  DRU  DE  CAMT. ODE TABLEIII  AMT. ODE TABLEIII	AMT. PE YEAR COI USE TABLI	DR POES	OSSIBLY  NUMBER DAYS ON SITE 3 DIGIT NO.  NUMBER DAYS ON SITE 3 DIGIT NO.	[	STORA LUSE TA		DE & V) 4		B TABLE  3 1  ] [  HAZARE E TABLE	4.5	CAS NO. (IF KNO.)  [ UN/NA NO. (IF KNO.)  1993 [ CAS NO. (IF KNO.)	]   DWN)   34-6   JOWN)   ]
TRACK #  IN TANK TRACK #  COMMON NAM HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE STORAGE LOCATIC NT OF MAI  COMMON NAM HAZARDOUS I IN HIGHEST C  2 - NEW 1 - PURE 2 - MIXTURE 1 - PURE 2 - MIXTURE 1 - NO CHANGE 1 - NO CHANGE 1 - NO CHANGE	FARM  GETRA  INGRED  ONCEN  PHYSIC  STATE  ONS (REC  INTER  ME/TRA  INGRED  ONCEN  PHYSIC  STATE  ONCEN  PHYSI	DE NAME  TRATIC  J [  DUIRED)  NANC  DE NAME  J [  DUIRED    J [  J [  J [  J ]  J [  J ]  J ]  J [  J ]  J ]	NK'S  ME: D  PET  ON:  NIT OF  EASURE  TABLE II  PET  ON:  ON:  ON:  ON:  ON:  ON:  ON:  ON	#20 IES ROL  AVG CC USE T.  AVG CC USE T.	AMT. OLIN AMT. O	MAX CC SID	AND STI	#67, C	JST	OSSIBLY  NUMBER DAYS ON SITE 3 DIGIT NO.  NUMBER DAYS ON SITE 3 DIGIT NO.	[	STORA LUSE TA		DE & V) 4		B TABLE  3 1  ] [  HAZARE E TABLE	4.5	CAS NO. (IF KNO.)  [ UN/NA NO. (IF KNO.)  1993 [ CAS NO. (IF KNO.)	]
TRACK #  IN TANK TRACK #  COMMON NAM HAZARDOUS IIN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED  COMMON NAM HAZARDOUS IIN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - MIXTURE  1 - NO CHANGE 2 - NEW	FARM  GENERAL  ME/TRA  INGRED  ONCEN  PHYSIC  STATE  ME/TRA  ME/TRA  INGRED  ONS (REC  INTER  ME/TRA  INGRED  ONCEN  PHYSIC  STATE  ONCEN  PHYSIC  ONCEN  PHYSIC  STATE  USE TAB  2  [ ]  ONS (REC  ONCEN  PHYSIC  ONCEN  PHYSIC  STATE  ONS (REC  ONCEN  PHYSIC  ONCEN  ONCEN  ONCEN  PHYSIC  ONCEN  O	DE NAMDIENT TRATIC  J [  DE NAMDIENT TRATIC  J [  DE NAMDIENT TRATIC  J [  J [  J [  J ]  J [  J ]  J ]  J ]	NK'S  ME: D  PET  ON:  NIT OF  EASURE  TABLE II  IN  E SH  ME: G  PET  ON:  NIT OF  EASURE  TABLE II  IN  IN  IN  IN  IN  IN  IN  IN  IN	#20  IES ROL  AVG CO USE T.  AVG CO USE T.	AMT. ODE AMT. OUT  AMT. ODE AM	MAXX CC USET I DI	AND  ISTI  CODE  TABLEIII  ODE  CAMT.  ODE	#67, C	DR POR PORT OF THE	OSSIBLY  NUMBER DAYS ON SITE 3 DIGIT NO. 365  IN FRO  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] N MAINT	[	STORA LUSE TA		DE & V) 4		B TABLE  3 1  ] [  HAZARE E TABLE	4.5	2002 [ 3082 CAS NO. (IF KNO 0068476-3 [ UN/NA NO. (IF KNO 1993 [ CAS NO. (IF KNO 0008006-6	]

FORM CHEMICA	L						E MARSHAL A LOYER SURVE	ccount Number <b>Y</b>		
SECTIO	N D	SUBS	STANCE	INFORM	IATION -	TYPE OR PF	RINT CHANGES IN T	HE BRACKETED	AREAS H	
OSFMB131 COMMON NAM	/E/TRADE	NAME:	HELIUM				[		]	]
HAZARDOUS IN HIGHEST C			LIUM	•			[			]
1 - PURE	PHYSICAL STATE USE TABLE	UNIT OF MEASURE USE TABLE		MAX. AMT. CODE	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)	•
2 - MIXTURE	3	3	10	10	20	365	L 2 4	2.2 6.3	007440-59-7	
2 · NEW 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[][][]	[ ][ ]	[ ]	
4-NO LONGER USED STORAGE LOCATION	ONS (REQUIF	RED) C	YLINDE	R MOUNT	ED ON	SOUTH SI	[][][]		UN/NA NO. (IF KNOWN)	
DE OF LA	BORATO	RY BL	DG OUTS	SIDE					1046	
<b></b>	<u> </u>	<del></del>			· · · · · ·		<u> </u>	· · · · ·	[ ]	
COMMON NAI			UVDBAC	 EN			·		<del></del> -	_ 1
HAZARDOUS	INGREDIEI	NT HY	DROGEN	LIN			r		· .	1
IN HIGHEST C	PHYSICAL STATE	UNIT OF MEASURI	AVG. AMT.	MAX. AMT.	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)	]
2 - MIXTURE	USE TABLE I	USE TABLE		USE TABLEIII 10	USE TABLE III 20	3 DIGIT NO. 365	L 2 4	USE TABLE VI	0001333-74-0	
1 3- CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[][][]	[ ][ ]	[[ ]	
4-NO LONGER USED STORAGE LOCATI			YLINDE		ED ON	SOUTH SI	[][][]		UN/NA NO. (IF KNOWN)	
DE OF LA	BORATO	RY BL	DG OUT	SIDE				L	1060	
								_	1049	
								]	[ ]	
COMMON NA	 ME/TRADE	NAME:	METHYL	NAPHTH	IALENE	FRACTION		<u> </u>	[ ]	- I
HAZARDOUS	INGREDIE	NT ME	METHYL ETHYL N			FRACTION	]		[ ]	- ]
HAZARDOUS IN HIGHEST C	INGREDIE ONCENTR PHYSICAL STATE	ATION: UNIT OF MEASURI	AVG. AMT.	MAX. AMT.	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	[ ]  [ CAS NO. (IF KNOWN)	- ]
HAZARDOUS IN HIGHEST C	INGREDIE ONCENTR PHYSICAL	ATION: UNIT OF MEASURI	THYL N	MAX. AMT.	AMT. PER YEAR CODE	NUMBER DAYS	STORAGE CODE		[ ]	_ ] 
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE	INGREDIE ONCENTR PHYSICAL STATE USE TABLE I	ATION:  UNIT OF MEASURI USE TABLE	AVG. AMT. CODE	MAX. AMT. CODE II USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	CLASSES USE TABLE VI	[ ]	_ ] ]
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED  STORAGE LOCATION	INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2 [ ]	ATION:  UNIT OF MEASURI USE TABLE  2  [ ]	AVG. AMT. CODE III USE TABLE I 30  [ ]	MAX. AMT. CODE II USE TABLEIII 30  FARM #	AMT. PER YEAR CODE USE TABLE III 30	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) A 1 4 Q 1 4	CLASSES USE TABLE VI	[ ]	_ ] ]
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED	INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2 [ ]	ATION:  UNIT OF MEASURI USE TABLE  2  [ ]	AVG. AMT. CODE III USE TABLE I 30  [ ]	MAX. AMT. CODE II USE TABLEIII 30  FARM #	AMT. PER YEAR CODE USE TABLE III 30	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) A 1 4 Q 1 4	CLASSES USE TABLE VI	[ ]  CAS NO. (IF KNOWN)  001321-94-4  [ ]	_ ] ]
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED  STORAGE LOCATION	INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2 [ ]	ATION:  UNIT OF MEASURI USE TABLE  2  [ ]	AVG. AMT. CODE III USE TABLE I 30  [ ]	MAX. AMT. CODE II USE TABLEIII 30  FARM #	AMT. PER YEAR CODE USE TABLE III 30	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) A 1 4 Q 1 4	CLASSES USE TABLE VI	[ ]  CAS NO. (IF KNOWN)  001321-94-4  [ ]  UN/NA NO. (IF KNOWN)	_ ] ]
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED  STORAGE LOCATIO L CAR ON	INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2 [ ] ONS (REQUIF	NT ME ATION: UNIT OF MEASURI USE TABLE 2 [ ] RED) I #3 S	AVG. AMT. CODE III USE TABLE I 30  [ ] EN TANK COUTH EI MOTOR	MAX. AMT. CODE USE TABLEIII 30  FARM # ND OF P	AMT. PER YEAR CODE USE TABLE III 30  [ ]  3 TANK PLANT	NUMBER DAYS ON SITE 3 DIGIT NO. 365 [ ]	STORAGE CODE (USE TABLE IV & V) A 1 4 Q 1 4	CLASSES USE TABLE VI	[ ]  CAS NO. (IF KNOWN)  001321-94-4  [ ]  UN/NA NO. (IF KNOWN)	_ ] _ _
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED STORAGE LOCATIL CAR ON  COMMON NAI HAZARDOUS	INGREDIE ONCENTR PHYSICAL STATE USE TABLE 1 2 [ ] ONS (REQUIF TRACK	NT ME ATION: UNIT OF MEASURI USE TABLE 2 [ ] RED) I #3 S  NAME: NT PE	AVG. AMT. CODE III USE TABLE I 30  [ ] IN TANK SOUTH EI	MAX. AMT. CODE USE TABLEIII 30  FARM # ND OF P	AMT. PER YEAR CODE USE TABLE III 30  [ ]  3 TANK PLANT	NUMBER DAYS ON SITE 3 DIGIT NO. 365 [ ]	STORAGE CODE (USE TABLE IV & V) A 1 4 Q 1 4	CLASSES USE TABLE VI	[ ]  CAS NO. (IF KNOWN)  001321-94-4  [ ]  UN/NA NO. (IF KNOWN)	
HAZARDOUS IN HIGHEST C  2 1- PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 NO LONGER USED STORAGE LOCATII L CAR ON	INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2 [ ] ONS (REQUIF TRACK  ME/TRADE INGREDIEI ONCENTR  PHYSICAL STATE	NT ME ATION:  UNIT OF MEASURI USE TABLE  2  [ ] RED) I #3 S  NAME: NT PE ATION:  UNIT OF MEASURI	AVG. AMT. CODE III USE TABLE I 30  [ ] IN TANK SOUTH EI  MOTOR ( ETROLEUI  AVG. AMT. CODE	MAX. AMT. CODE USE TABLEIII 30  FARM # ND OF P  OIL M HYDRO	AMT. PER YEAR CODE USE TABLE III 30  [ ]  CARBON  AMT. PER YEAR CODE USE TABLE III  AMT. PER YEAR CODE	NUMBER DAYS ON SITE 3 DIGIT NO. 365 [ ] IN RAI  NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V) A 1 4 Q 1 4	CLASSES USE TABLE VI 4.5 6.5  [ ] [ ]	[ ]  CAS NO. (IF KNOWN)  001321-94-4  [ ]  UN/NA NO. (IF KNOWN)	
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED STORAGE LOCATIL L CAR ON  [ [ COMMON NAI HAZARDOUS IN HIGHEST C 2 - MIXTURE	INGREDIE ONCENTR PHYSICAL STATE USE TABLE 1 2 [ ] ONS (REQUIF TRACK  ME/TRADE INGREDIE ONCENTR	NT ME ATION: UNIT OF MEASURI USE TABLE 2 [ ] RED) 1 #3 S  NAME: NT PE ATION: UNIT OF	AVG. AMT. CODE III USE TABLE I 30  [ ] IN TANK SOUTH EI  MOTOR ( ETROLEUI  AVG. AMT. CODE	MAX. AMT.  CODE  USE TABLEIII  30  FARM # ND OF P	AMT. PER YEAR CODE USE TABLE III 30  [ ]  CARBON  AMT. PER YEAR CODE USE TABLE III  AMT. PER YEAR CODE	NUMBER DAYS ON SITE 3 DIGIT NO. 365 [ ] IN RAI  NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V) A I 4 Q 1 4 [ ] [ ] [ ] [ ]	CLASSES USE TABLE VI 4.5 6.5	[ ]  CAS NO. (IF KNOWN)  001321-94-4  [ ]  UN/NA NO. (IF KNOWN)  1137  [ ]	
HAZARDOUS IN HIGHEST C  2 1- PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 NO LONGER USED  STORAGE LOCATII L CAR ON  COMMON NAI HAZARDOUS IN HIGHEST C  2 1- PURE 2 - MIXTURE  1 NO CHANGE 1 2 - NEW 3 - CHANGE MADE 4 NO LONGER 1 NO CHANGE	INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2 ONS (REQUIF TRACK  ME/TRADE INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2 ( )	NT ME ATION:  UNIT OF MEASURI USE TABLE  2  [ ]  RED) I  #3 S  NAME: NT PE ATION:  UNIT OF MEASURI USE TABLE USE TABLE	AVG. AMT. CODE III USE TABLE I 30  [ ] IN TANK SOUTH EI  MOTOR ( ETROLEUI  AVG. AMT. CODE III USE TABLE I  AVG. AMT. CODE	MAX. AMT. CODE USE TABLEIII 30  [ ] FARM # ND OF P  OIL M HYDRO  MAX. AMT. CODE II USE TABLEIII	AMT. PER YEAR CODE USE TABLE III 30  [ ]  3 TANK LANT  CARBON  AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] IN RAI  NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V) A I 4 Q 1 4 [ ] [ ] [ ] [ ]	CLASSES USE TABLE VI 4.5 6.5  [ ] [ ]  HAZARD CLASSES USE TABLE VI	[ ]  CAS NO. (IF KNOWN)  001321-94-4  [ ]  UN/NA NO. (IF KNOWN)  1137  [ ]  CAS NO. (IF KNOWN)	
HAZARDOUS IN HIGHEST C  2 1-PURE 2-MIXTURE  1-NO CHANGE 4 2-CHANGE MADE 4 NO LONGER USED STORAGE LOCATIL CAR ON  COMMON NAI HAZARDOUS IN HIGHEST C  2 1-PURE 2 MIXTURE  1-NO CHANGE  1 NO CHANGE	INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2 ONS (REQUIF TRACK  ME/TRADE INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2 ONS (REQUIF	NT ME ATION: UNIT OF MEASURI USE TABLE 2 [ ] RED) I H3 S  NAME: NT PE ATION: UNIT OF MEASURI USE TABLE 2 [ ] RED) I	AVG. AMT. CODE III USE TABLE I 30  IN TANK SOUTH EI  AVG. AMT. CODE III USE TABLE I 04  IN OIL	MAX. AMT. CODE USE TABLEIII 30  FARM # ND OF P  OIL M HYDRO  MAX. AMT. CODE USE TABLEIII 04  [ ]	AMT. PER YEAR CODE USE TABLE III 30  [ ]  3 TANK PLANT  CARBON  AMT. PER YEAR CODE USE TABLE III 10  [ ]	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] IN RAI  NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V) A Q 1 4 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]	CLASSES USE TABLE VI 4.5 6.5  [ ] [ ]  HAZARD CLASSES USE TABLE VI	[ ]  CAS NO. (IF KNOWN)  001321-94-4  [ ]  UN/NA NO. (IF KNOWN)  1137  [ ]  CAS NO. (IF KNOWN)	

### 1993 -1994 OREGON STATE FIRE MARSHAL Account Number HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTION	1 D	SUBST	ANCE I	NFORM	IATION -	TYPE OR PF	RINT CHANGES IN T	HE BRACKETED	AREAS H
OSFMB131 COMMON NAM	•		АРНТНА	LENE S	TILL R	ESIDUE	[		]
HAZARDOUS I		****	HTHALE	NE			ſ	•	1
1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 - MIXTURE	USE TABLE I	USE TABLE II	30	30	USE TABLE III	3 DIGIT NO.	A 1 5 A 1 5	4.5 6.3	073665-18-6
3 2-NEW 3-CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[][][]	[ ][ ]	[[ ]
4 - NO LONGER USED STORAGE LOCATION	NS (REQUIF	RED) IN	TANK	FARM #	99 TAN	K, IN RA	[Q][1][5]	,	UN/NA NO. (IF KNOWN)
IL CAR OF	1 TRAC					AND TANK			1776
#102 [ IN TANK	FARM1	ANKS #3	4 AND #	99, AND	POSSIBL	Y IN A RA	IL CAR ON TRACK	#3	[ ]
COMMON NAM		NAME: O							1
HAZARDOUS I	NGREDIE	YXO TV					. [		
1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 - MIXTURE	3	3	11	20	20	365	<b>.</b> 2 -	2.2 5.1	007782-44-7
2 NEW 3 - CHANGE MADE 4 - NO LONGER	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		[ ][ ]	[ ]
STORAGE LOCATION	NS (REQUI	RED) CY	LINDER	моинт	ED ON	SOUTHSID			UN/NA NO. (IF KNOWN)
			DING O		-	AINTENAN N FRONT			1072
		=			INTENANO				[ ]
			- <b></b> -						<u></u> _
COMMON NAM	•		CHLORO				į.	•	1
IN HIGHEST C	ONCENTR PHYSICAL	UNIT OF	AVG. AMT.	MAX. AMT.	AMT. PER	NUMBER DAYS	STORAGE CODE	HAZARD	CAS NO. (IF KNOWN)
2 1 - PURE 2 - MIXTURE	USE TABLE	MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	USE TABLEIII	USE TABLE III	ON SITE 3 DIGIT NO.	USE TABLE IV & V)	USE TABLE VI	
1 - NO CHANGE	2	2	04	04	04	365		6.3 6.4	000127-18-4
3 - CHANGE MADE	[ ]	[ ]	[ 03 ]	[ 03]	[ 03]	[ ]		[ ][ ]	[ ]
STORAGE LOCATIO	ONS (REQUI	RED) IN	METAL	DRUM	OUTSID	E W END	[][][]		UN/NA NO. (IF KNOWN)
OF LAB			•				<u> </u>		1897
<b>-</b>								]	[ ]
							DEA UTI		
COMMON NAM	INGREDIE	NT PET			TILLATE	IL, CALO	KTA HI		J
IN HIGHEST C	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT CODE	MAX, AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 2- MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III			3 DIGIT NO. 365	A 1 5	USE TABLE VI	
1 - NO CHANGE 2 - NEW 3 - CHANGE MADE	[ ]	[ ]							
4 - NO LONGER USED STORAGE LOCATIO	NS (REQUIF	RED) IN	ABOVE	GROUN	ID EXPA	NSION TA			UN/NA NO. (IF KNOWN)
NK NEXT		,							
[.						_		· ]	
Ī	<del></del>								<u> </u>

**FORM** 

CHEMICA	L				SUBSTA		LOYER SURVE	ccount Number <b>Y</b>	
SECTIO	ND	SUBST	TANCE I	NFORM	IATION -	TYPE OR PE	RINT CHANGES IN T	• HE BRACKETED	AREAS H
OSFMB131	· · · · · · · · · · · · · · · · · · ·				•		_		
COMMON NAM	•	<del>.</del>	ROPANE		,		[		]
HAZARDOUS I		1.110	PANE				ſ		1
1-PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX, AMT. CODE	AMT, PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 2-MIXTURE	USE TABLE I	USE TABLE II		USE TABLEIII	USE TABLE III	3 DIGIT NO.	L 2 6	USE TABLE VI	
1 - NO CHANGE	3	2	04	04	10	365		2.1 6.3	000074-98-6
2 - NEW 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		[ ][ ]	[[ ]
4 - NO LONGER USED		L							UN/NA NO. (IF KNOWN)
STORAGE LOCATION THEAST EI	•			· · · <del>-</del> · ·		OUSE SOU			
OF MAIN								_	1075
·							RK LIFTS IN SAM	ME AREA,	[ ]
[ AND IN CA	MINISTER				STATION	· ·			
COMMON NA	ME/TRADE	NAME: Q	UINOLI	NE REF	INED		[		]
HAZARDOUS		•	NOLINE				r		1
IN HIGHEST C	PHYSICAL	LINIT OF	AVG. AMT. CODE	MAX. AMT.	AMT. PER	NUMBER DAYS	STORAGE CODE (USE TABLE IV & V)	HAZARD	CAS NO. (IF KNOWN)
2 1 - PURE 2 · MIXTURE	USE TABLE I	MEASURE USE TABLE II	USE TABLE III	CODE USE TABLEIII	USE TABLE III	ON SITE 3 DIGIT NO.	(USE TABLE IV & V)	CLASSES USE TABLE VI	CASINO: (II KNOWN)
1 - NO CHANGE	2	2	02	02	02	365		8.0	00091-22-5
2 - NEW	1	l i	1	Гі	1	l 1	111111	וווו	[r ]
3 - CHANGE MADE 4 - NO LONGER USED	r 1	L .	1	r 1	L 4			' ' ' '	L INTRIANCE OF THE COURT
STORAGE LOCATION	ONS (REQUIF	RED) IN	REAR	OF LAB	IN SA	MPLE ROO			UN/NA NO. (IF KNOWN)
М								·····	1760
[								]	[ ]
[	<del>.</del>		~					]	
COMMON NAI	ME/TRADE	NAME: R	EFINED	TAR			ſ		1
HAZARDOUS			ROCARB	ONS				•	•
IN HIGHEST C	PHYSICAL	ATION:	AVG. AMT.	MAX. AMT.	AMT. PER	NUMBER DAYS	STORAGE CODE	HAZARD	
2 1 - PURE	STATE	MEASURE	USE TABLE III	CODE	YEAR CODE	ON SITE	STORAGE CODE (USE TABLE IV & V) Q 1 5	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 - MIXTURE	2	2	30	31	40	365	A 1 5	4.2	0065996-93-2
1 - NO CHANGE 2 - NEW	r 1	r 1	r 1	[ 30 ]	[ 31]	r 1	111111	ו זו ז	r 1
3 - CHANGE MADE 4 - NO LONGER USED	L 1	l l	l J	[ 00 ]	[ ]-]	L 1			L J
STORAGE LOCATION						CH STORA			UN/NA NO. (IF KNOWN)
GE BUILD	ING, I	N TANK	#23 L	OWER T	'ANK FA	RM		<u> </u>	
TANK CAR	RS ON RA	AIL TRAC	K #3 AN	D TRACK	#5, LOV	VER TANK F	ARM TANK #19	1	[ 3082 ]
[	,			-				j	
COMMON NAI	METRADE	NAME: S	ODIUM	HYDROX	IDE				
HAZARDOUS			IUM HY	DROXID	E		L		1
IN HIGHEST C									]
1 PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLEIN	USE TABLE III	3 DIGIT NO. <b>365</b>	'	8.0 6.3	0001310-73-2
1 - NO CHANGE 2 - NEW		, ,						, , , ,	
3 - CHANGE MADE		l l	L J	l J	l J	l J			L I
STORAGE LOCATION	ONS (REQUIF	RED) IN	BOILE	R ROOM	E END	1			UN/NA NO. (IF KNOWN)
									`
									1823

FORM CHEMICA	L	]					RE MARSHAL		ccount Number <b>Y</b>	
SECTIO	ΝD	SUBST	ANCE I	NFORM	IATION -	TYPE OR PE	RINT CHANGE	S IN T	HE BRACKETED	AREAS <sup>202</sup> H
OSFMB131 COMMON NAM HAZARDOUS I IN HIGHEST CO	NGREDIEN	NT SOD	ODIUM IUM SU	SULFIT LFITE	E		]			
1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX, AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE COL (USE TABLE IV 8	E V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 2-MIXTURE	USE TABLE I	_	USE TABLE III	USE TABLEIII	USE TABLE III	3 DIGIT NO.	I 1	4	USE TABLE VI	
1 - NO CHANGE	1	1	10	10	11	365			6.3 5.1	0007757-83-7
2 - NEW 3 - CHANGE MADE 4 - NO LONGER	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[][]	[]	[ ][ ]	[ ]
STORAGE LOCATION	NS (REQUIF	RED) IN	BOILE	R ROOM	I E END		[][]	[ ]		UN/NA NO. (IF KNOWN)
•			-							
[						<u> </u>				[ 0000
<u> </u>										
COMMON NAM HAZARDOUS I	•		AR REF	INED			L			
IN HIGHEST C							ſ			
1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE COL	DE V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLEIII	USE TABLE III	3 DIGIT NO.	D 1	5	USE TABLE VI	00(500( 07 0
1 - NO CHANGE	2	2	20	20	21	365			4.5 0	0065996-93-2
2 · NEW 3 - CHANGE MADE 4 - NO LONGER	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[][]	[ ]	[ ][ ]	[[ ]
STORAGE LOCATIO	NS (REQUIF	RED) ON	ASPHA	LT AT	REAR O	F MAINTE	1111	ן ז		UN/NA NO. (IF KNOWN)
			701117		V=01/			LJ	i i	
NANCE SHO	)P									
		REAR OF	MAINTEN	IANCE SH	OP AND N	NORTH OF T	RACK #5 LO	ADING	S STATION ]	[3082]
ON ASPHA	LT AT F			IANCE SH	OP AND N	NORTH OF T	RACK #5 LO	ADING	G STATION ]	
ON ASPHA	LT AT F	NAME: X	YLENE	IANCE SH	OP AND I	NORTH OF T	RACK #5 LO	ADINC	S STATION ]	
ON ASPHA COMMON NAM	LT AT F ME/TRADE NGREDIEN	NAME: X	YLENE	IANCE SH	OP AND N	NORTH OF T	RACK #5 LO.	ADING	G STATION ]	
COMMON NAM HAZARDOUS I	LT AT F  ME/TRADE NGREDIEN ONCENTR	NAME: X NT XYL ATION:	YLENE ENE	MAX, AMT.	AMT. PER	NUMBER DAYS	[ STORAGE COL	 DE	j	
ON ASPHA COMMON NAM	LT AT F ME/TRADE NGREDIEN ONCENTR PHYSICAL STATE USE TABLE	NAME: X VT XYL ATION: UNIT OF MEASURE USE TABLE II	YLENE ENE AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE COL (USE TABLE IV &	DE 4V)	HAZARD CLASSES USE TABLE VI	[ 3082 ]  CAS NO. (IF KNOWN)
COMMON NAM HAZARDOUS IN HIGHEST COMMON NAM LAZARDOUS IN HIGHEST COMMON NAME TO A COMMON NAME NAME NAME NAME NAME NAME NAME NAM	LT AT F  ME/TRADE  NGREDIEN  ONCENTR  PHYSICAL  STATE	NAME: X NT XYL ATION: UNIT OF MEASURE	YLENE ENE	MAX. AMT.	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE COL	DE (V)	HAZARD CLASSES	[ 3082 ]
COMMON NAM HAZARDOUS IN HIGHEST COMMON NAM HAZARDOUS IN HIGHEST COMMON NAME OF THE COMMON	LT AT F ME/TRADE NGREDIEN ONCENTR PHYSICAL STATE USE TABLE	NAME: X VT XYL ATION: UNIT OF MEASURE USE TABLE II	YLENE ENE AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE COL (USE TABLE IV &	DE 4V)	HAZARD CLASSES USE TABLE VI	[ 3082 ]  CAS NO. (IF KNOWN)
COMMON NAM HAZARDOUS IN HIGHEST COMMON NAM HAZARDOUS IN HIGHEST COMMON NAME OF THE PURE OF	LT AT F  ME/TRADE NGREDIEN ONCENTR  PHYSICAL STATE USE TABLE! 2	NAME: X NT XYL ATION: UNIT OF MEASURE USE TABLE II 2	YLENE ENE  AVG. AMT. CODE  USE TABLE III  03	MAX. AMT. CODE USE TABLEIII 03	AMT. PER YEAR CODE USE TABLE III 03	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE COL (USE TABLE IV &	DE 4V)	HAZARD CLASSES USE TABLE VI	[ 3082 ]  CAS NO. (IF KNOWN)
COMMON NAM HAZARDOUS IN HIGHEST COMMON NAM HAZARDOUS IN HIGHEST COMMON NAME OF THE PURE OF	LT AT F  ME/TRADE NGREDIEN ONCENTR  PHYSICAL STATE USE TABLE! 2  [ ]	NAME: X NT XYL ATION: UNIT OF MEASURE USE TABLE II 2 [ ]	YLENE ENE  AVG. AMT. CODE  USE TABLE III  03  [ ]	MAX. AMT. CODE USE TABLEIII 03 [ ]	AMT PER YEAR CODE USE TABLE III 03	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE COL (USE TABLE IV &	DE 4V)	HAZARD CLASSES USE TABLE VI	[ 3082 ]  CAS NO. (IF KNOWN)  001330-20-7  [ ]
COMMON NAM HAZARDOUS IN HIGHEST COMMON NAM HAZARDOUS IN HIGHEST COMMON NAME OF THE PURE OF	LT AT F  ME/TRADE NGREDIEN ONCENTR  PHYSICAL STATE USE TABLE! 2  [ ]	NAME: X NT XYL ATION: UNIT OF MEASURE USE TABLE II 2 [ ]	YLENE ENE  AVG. AMT. CODE  USE TABLE III  03  [ ]	MAX. AMT. CODE USE TABLEIII 03 [ ]	AMT PER YEAR CODE USE TABLE III 03	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE COL (USE TABLE IV &	DE 4V)	HAZARD CLASSES USE TABLE VI	[ 3082 ]  CAS NO. (IF KNOWN)  001330-20-7  [ ]
COMMON NAM HAZARDOUS IN HIGHEST COMMON NAM HAZARDOUS IN HIGHEST COMMON NAME OF THE PURE OF	LT AT F  ME/TRADE NGREDIEN ONCENTR  PHYSICAL STATE USE TABLE! 2  [ ]	NAME: X NT XYL ATION: UNIT OF MEASURE USE TABLE II 2 [ ]	YLENE ENE  AVG. AMT. CODE  USE TABLE III  03  [ ]	MAX. AMT. CODE USE TABLEIII 03 [ ]	AMT PER YEAR CODE USE TABLE III 03	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE COL (USE TABLE IV &	DE 4V)	HAZARD CLASSES USE TABLE VI	[ 3082 ]  CAS NO. (IF KNOWN)  001330-20-7  [ ]  UN/NA NO. (IF KNOWN)
COMMON NAM HAZARDOUS IN HIGHEST COMMON NAM HAZARDOUS IN HIGHEST COMMON NAME OF THE PURE OF	LT AT F  ME/TRADE NGREDIEN ONCENTR  PHYSICAL STATE USE TABLE! 2  [ ]	NAME: X NT XYL ATION: UNIT OF MEASURE USE TABLE II 2 [ ]	YLENE ENE  AVG. AMT. CODE  USE TABLE III  03  [ ]	MAX. AMT. CODE USE TABLEIII 03 [ ]	AMT PER YEAR CODE USE TABLE III 03	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE COL (USE TABLE IV &	DE 4V)	HAZARD CLASSES USE TABLE VI	[ 3082 ]  CAS NO. (IF KNOWN)  001330-20-7  [ ]  UN/NA NO. (IF KNOWN)
COMMON NAM HAZARDOUS IN HIGHEST COMMON NAM 1 - PURE 2 - MIXTURE 1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER STORAGE LOCATIC OF LAB AL COMMON NAM	ME/TRADE NGREDIEN ONCENTR PHYSICAL STATE USE TABLE I 2 [ ] DNS (REQUIF	NAME: X NT XYL ATION: UNIT OF MEASURE USE TABLE II 2 [ ] RED) IN PLAST	YLENE ENE  AVG. AMT. CODE  USE TABLE III  03  [ ]	MAX. AMT. CODE USE TABLEIII 03 [ ]	AMT PER YEAR CODE USE TABLE III 03	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE COL (USE TABLE IV & D 1 N 1	( )	HAZARD CLASSES USE TABLE VI	[ 3082 ]  CAS NO. (IF KNOWN)  001330-20-7  [ ]  UN/NA NO. (IF KNOWN)  1307  [ ]
COMMON NAM HAZARDOUS IN HIGHEST COMMON NAM 1- PURE 2- MIXTURE 1- NO CHANGE 1- NO CHANGE NADE 1- NO COMMON NAM HAZARDOUS I	ME/TRADE NGREDIEN ONCENTR PHYSICAL USE TABLE I USE TABLE I  ONS (REQUIP SO IN	NAME: X NT XYL ATION: UNIT OF MEASURE USE TABLE II 2 [ ] RED) IN PLAST  NAME: NT	YLENE ENE  AVG. AMT. CODE  USE TABLE III  03  [ ]	MAX. AMT. CODE USE TABLEIII 03 [ ]	AMT PER YEAR CODE USE TABLE III 03	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE COI (USE TABLE IV & D 1 N 1	4 4 [ ]	HAZARD CLASSES USE TABLE VI 3.3 6.3  [ ] [ ]  CREOSOTE DI	[ 3082 ]  CAS NO. (IF KNOWN)  001330-20-7  [ ]  UN/NA NO. (IF KNOWN)  1307  [ ]
COMMON NAM HAZARDOUS I IN HIGHEST COMMON NAM LOCAMISE 2- MIXTURE  1 - NO CHANGE 2- NEW 2- NEW 1- NO COMMON NAM LOCAMISE LOCATION OF LAB ALL COMMON NAM HAZARDOUS I IN HIGHEST CO	ME/TRADE NGREDIEN ONCENTR PHYSICAL USE TABLE 1 2 [ ] ONS (REQUIF SO IN ME/TRADE NGREDIEN ONCENTR	NAME: X NT XYL ATION: UNIT OF MEASURE USE TABLE II 2 [ ] RED) IN PLAST	YLENE ENE  AVG. AMT. CODE  USE TABLE III  03  [ ]  METAL IC BOT	MAX. AMT. CODE USE TABLEIII 03  [ ] DRUM TLE IN	AMT PER YEAR CODE USE TABLE III 03 [ ] OUTSID LAB	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] E W END	STORAGE COD (USE TABLE IV & D I N 1 [ ] [ ]	4 4 [ ]	HAZARD CLASSES USE TABLE VI 3.3 6.3  [ ] [ ]  CREOSOTE DI	[ 3082 ]  CAS NO. (IF KNOWN)  001330-20-7  [ ]  UN/NA NO. (IF KNOWN)  1307  [ ]  STILLATE
COMMON NAM HAZARDOUS IN HIGHEST COMMON NAM 1- PURE 2- MIXTURE 1- NO CHANGE 1- NO CHANGE NADE 1- NO LONGER USED STORAGE LOCATIC OF LAB AL COMMON NAM HAZARDOUS I	LT AT E  ME/TRADE NGREDIEN ONCENTR  PHYSICAL USE TABLE!  2  [ ]  ONS (REQUIF SO IN  ME/TRADE NGREDIEN ONCENTR	NAME: X NT XYL ATION: UNIT OF MEASURE USE TABLE II 2 [ ] RED) IN PLAST  NAME: NT ATION: UNIT OF MEASURE	YLENE ENE  AVG. AMT. CODE  USE TABLE III  03  [ ]	MAX. AMT. CODE USE TABLEIII 03  [ ] DRUM TLE IN	AMT PER YEAR CODE USE TABLE III 03	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] E W END	STORAGE COI (USE TABLE IV & D 1 N 1	4 4 [ ]	HAZARD CLASSES USE TABLE VI 3.3 6.3  [ ] [ ]  CREOSOTE DI	[ 3082 ]  CAS NO. (IF KNOWN)  001330-20-7  [ ]  UN/NA NO. (IF KNOWN)  1307  [ ]
COMMON NAM HAZARDOUS IN HIGHEST COMMON NAM 1- PURE 2- MIXTURE 1- NO CHANGE MADE 4- NO LONGER STORAGE LOCATIC OF LAB AL COMMON NAM HAZARDOUS IN HIGHEST COMMON NAM 1- PURE 2 1- PURE 2	LT AT F  ME/TRADE NGREDIEN ONCENTR PHYSICAL USE TABLE I  Z  [ ]  DNS (REQUIF SO IN  ME/TRADE NGREDIEN ONCENTR PHYSICAL PHYSICAL PHYSICAL PHYSICAL PHYSICAL PHYSICAL PHYSICAL	NAME: X NT XYL ATION: UNIT OF MEASURE USE TABLE II 2 [ ] RED) IN PLAST  NAME: NT ATION: UNIT OF MEASURE	YLENE ENE  AVG. AMT. CODE  USE TABLE III  03  [ ]  METAL IC BOT	MAX. AMT. CODE USE TABLEIII 03  [ ] DRUM TLE IN	AMT. PER YEAR CODE USE TABLE III 03 [ ] OUTSID LAB	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] E W END  NUMBER DAYS ON SITE	STORAGE COD (USE TABLE IV & D I N 1 [ ] [ ]	4 4 [ ]	HAZARD CLASSES USE TABLE VI 3.3 6.3  [ ] [ ]  CREOSOTE DISTE	[ 3082 ]  CAS NO. (IF KNOWN)  001330-20-7  [ ]  UN/NA NO. (IF KNOWN)  1307  [ ]  STILLATE
COMMON NAM HAZARDOUS I IN HIGHEST COMMON NAM HAZARDOUS I IN HOLONGER  1 - NO CHANGE 2 - MIXTURE  1 - NO CHANGE MADE 4 - NO LONGER STORAGE LOCATIC OF LAB AL  COMMON NAM HAZARDOUS I IN HIGHEST COMMON NAM HAZARDOUS I IN PURE 2 - MIXTURE	LT AT F  ME/TRADE NGREDIEN ONCENTR PHYSICAL USE TABLE I  Z  [ ]  DNS (REQUIF SO IN  ME/TRADE NGREDIEN ONCENTR PHYSICAL PHYSICAL PHYSICAL PHYSICAL PHYSICAL PHYSICAL PHYSICAL	NAME: X NT XYL ATION: UNIT OF MEASURE USE TABLE II 2 [ ] RED) IN PLAST  NAME: NT ATION: UNIT OF MEASURE	YLENE ENE  AVG. AMT. CODE  USE TABLE III  03  [ ]  METAL IC BOT	MAX. AMT. CODE USE TABLEIII 03  [ ] DRUM TLE IN	AMT. PER YEAR CODE USE TABLE III 03 [ ] OUTSID LAB	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] E W END  NUMBER DAYS ON SITE	STORAGE COD (USE TABLE IV & D I N 1 [ ] [ ]	GEV) 4 4 [ ] IGHT REOSC	HAZARD CLASSES USE TABLE VI 3.3 6.3  [ ] [ ]  CREOSOTE DI  OTE  HAZARD CLASSES USE TABLE VI	[ 3082 ]  CAS NO. (IF KNOWN)  001330-20-7  [ ]  UN/NA NO. (IF KNOWN)  1307  [ ]  STILLATE

[ 3082

### 1993 -1994 OREGON STATE FIRE MARSHAL Account Number

CHEMICAL

HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKE

	1	1
	-	-

SECTION	עט י	30631	ANCE	INFORIV	ATION -	TYPEORPE	MINI CHANGES IN TI	HE BRACKETEL	AREAS H	
COMMON NAM	IE/TRADE	NAME:					PRIMIN	IG AND REFRA	CTORY OIL	1
HAZARDOUS I	NGREDIE	NT	•				•			•
IN HIGHEST C			AVG AMT	MAX AMT	AMT. PER	NUMBER DAYS	CREOSC STORAGE CODE		CACALO VIETANOVII	إ
1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII	YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOW	<u>v)</u>
										.
1 - NO CHANGE 2 - NEW	1 2 1	[ 1	[ 20]	[ 20 ]	[ 20 ]	[ 365 ]	[A][1][4]	[45][65]	[ 65996 <b>-</b> 92-1	,
2 3 - CHANGE MADE 4 - NO LONGER USED	[2]	[2]	[ 20 ]	[ 20 ]	[ 20 ]	[ 202 ]	[w][T][#]	[4.5] [6.5]		
STORAGE LOCATIO	NS (REQUIF	RED)							UN/NA NO. (IF KNOW	N)
						1				
[ IN TANK F	ARM. T	ANK #19						1	<b>f</b> 3082	1
								j	<b>L</b>	
					·		יייייייייייייייייייייייייייייייייייייי	CREOSOTE DI	COTT I AME	<del>-</del> -
COMMON NAM							LUCAVI	CREOSOIE DI	SITELATE	1
IN HIGHEST C							[ CREOSO	TE		]
1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX, AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN	1)
2 2- MIXTURE	ÜSE TABLE I	USE TABLE II	USE TABLE III	USE TABLEIII	USE TABLE III	3 DIGIT NO.		USE TABLE VI		
1 - NO CHANGE 2 - NEW					-	<b>_</b>				Ì
2 3 - CHANGE MADE	[2]	[2]	[ 30]	[ 30 ]	[ 30 ]	[ 365 ]	[A] [1] [5]	[4.5] [6.5]	[65996-92-1	]
4-NO LONGER USED STORAGE LOCATION	NS (REOUII	RED)					[0][1][5]		UN/NA NO. (IF KNOW	N)
0.017.02 2007	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.20,					[ 5] [ ] [ ]			
r								, ,		,
IN TANK F	'ARM, T	ANKS #17	AND #3	3 OR PO	SSIBLY 1	IN A RAIL	CAR ON TRACK #3	3	[ 3082	]
- <del>L</del>										<del>-</del> '-
COMMON NAM HAZARDOUS I	•						[ METHYI	L SOLVENT CR DISTILLATE	EOSOTE	]
IN HIGHEST C			*		•		[ CREOSO			]
1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN	1)
2 2-MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLEIII	USE TABLE III	3 DIGIT NO.		USE TABLE VI		
1 - NO CHANGE										
2 - NEW 3 - CHANGE MADE	[2]	[2]	[30]	[ 30 ]	[ 30 ]	[ 365 ]	[A][1][5]	[4.5] [6.5]	[ 65996–92–1	]
4-NOLONGER USED STORAGE LOCATIO	NIS (DEOLUS	DED)					[Q][1][5]		UN/NA NO. (IF KNOW	N)
STORAGE LOCATIO	NO (NEGO!	,					[5][1][2]		77	
_										
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2 - MIXTURE	USE TABLE!		USE TABLE III	USE TABLEIII	USE TABLE III	3 DIGIT NO.	(032 17322 17 4 7)	USE TABLE VI		Ħ
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2 - NEW 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[][][]	[ ][ ]	[	]
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3 - NEW 3 - CHANGE MAD									
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COMMON NA		1 17 1111	COAL TA	R PITC	;n				
IAZARDOUS N HIGHEST (		• •	, les 1 7 des						: 50
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2 MINIONE	1	1	50	53	USE TABLE III	365		4.5	0065996-93-
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2 - NEW 3 - CHANGE MADE				2.7					
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OMMON NA	ME/TRADE	NAME: C	REOSOT	E					
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3 - MIXTURE	USE TABLE!	USE TABLE II	USE TABLE !!!	USE TABLES	UŞE TABLE III	3 DIGIT NO.		USE TABLE VI	000001-50-0
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J - CHANGE MADE	200		1						
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4 - NO LONGER USED	ONS (BE SPE	CIFIC) TA	NK FAR	M, RAI	L TRAC	K SOUTH		B.	UN/NA NO.
4 - NO LONGER USED PRAGÉ LOÇATI		CIFIC) TA	NK FAR	M, RAI	L TRAC	K SOUTH		<b>I</b> ,	UN/NA NO.
4 - NO LONGER		CIFIC) TA	NK FAR	M, RAI	L TRAC	K SOUTH			UN/NA NO. 1993

OREGON STATE FIRE MARSHAL Account Number

HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTION D 2588STANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

006202

OMMON NAN AZARDOUS I		41 CBE	OSOTE							
HIGHEST C	ONCENTR	ATION:			,				,	
·-PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG, AMT. CODE	MAX, AMT,	AMT, PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE ( (USE TABLE	IV & V)	HAZARD CLASSES	CAS NO. (IF KNOW
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OMMON NAM	MEMADE	NAME: D	IESEL	#2						
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! ~ PUAÉ	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT.	MAX. AMT.	AMT, PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE ( (USE TABLE	CODE IV & VI	HAZARD CLASSES	CAS NO. (IF KNOW!
a - MIXTURE	USE TABLE I	USE TABLE!!	USE TABLE III	USE TABLEIII	USE TABLE III	3 DIGIT NO. 365		7	USE TABLE VI	0068476~34
2 - NEW 3 - CHANGE MADE									TH TH	
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DMMON NAMAZARDOUS HIGHEST C - PURE 2 - MIXTURE 1 - NO CHANGE 2 - NEW 3 - CHANGE MADE NO CONGER USED RAGE LOCATIO	MEMRADE INGREDIS! ONCENTR PHYSICAL STATE USE TABLE!	NAME: G IT PET ATION: UNIT OF MEASURE USE TABLE II 2	ASOLIN ROLEUM  AVG. AMT. COOA  USE TABLE III 02	MAX. AMT. CODE USE TABLE!!	LLATES  AMT PER VEAR CODE USE TABLE III 10	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE.		USE TABLE VI	1993 CAS NO. (IF KNOW)
OF WAR  OF WAR  OMMON NAM  AZARDOUS  HIGHEST C  PURE  2-MATURE  1-NO CHANGE 2-NEW 3-CHANGE MADE 2-NO CONGER USED  RAGE LOCATIO	MEMRADE INGREDIS! ONCENTR PHYSICAL STATE USE TABLE!	NAME: G IT PET ATION: UNIT OF MEASURE USE TABLE II 2	ASOLIN ROLEUM  AVG. AMT. COOA  USE TABLE III 02	MAX. AMT. CODE USE TABLE!!	LLATES  AMT PER VEAR CODE USE TABLE III 10	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE.		USE TABLE VI	1993 CAS NO. (IF KNOW 0008006-6:
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OMMON NAMAZARDOUS  I HIGHEST C  I PURE  I NO CHANGE MADE  I HIGHEST C	ME/TRADE INGREDIE: ONCENTR PHYSICAL USE TABLE: ONS (BE SPE	NAME: G NAME: G NAME: G ATION;  LINIT OF MEASURE USE TABLE II  CIFIC) IN BLOO  NAME: H ATION: UNIT OF WEASURE UNIT OF WEASURE	ASOLIN ROLEUM  AVG. AMT. CCODÎ  USE TABLE III  OZ  OIL S  ELIUM IUM -  AVG. AMT. CCODÊ	MAX. AMT. CODE USE TABLEHI USE	LLATES  AMT. PER YEAR CODE  USE TABLE III 10  ROOM  EN	NUMBER DAYS ON SITE 3 DIGIT NO. 3 65	STORAGE USE YASE F 1	4	USETABLÉ VI 3.1	1993 CAS NO. (IF KNOW) 0008006-61
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COMMON NAMAZARDOUS HIGHEST COMMON NAMAZARDOUS COMMO	ME/TRADE INGREDIE! ONCENTR PHYSICAL INGREDIE! ONS (BE SPEEND OF INGREDIE! ONCENTR PHYSICAL USE TABLE !	NAME: G NAME: G IT PET ATION: UNIT OF MEASURE USE TABLE II  CIFIC) IN BLOG  NAME: H NT HEL ATION: GRIT OF MEASURE LISE TABLE II	ASOLIN ROLEUM  AVG. AMT. CODE  USE TABLE III  OZ  COIL S  ELIUM IUM -  AVG. AMT. CODE  USE TABLE III  OZ  IIII  IIII  AVG. AMT. IUM -   MAX. AMT. CODE USE TABLES  TORAGE  MAX. AMT. CODE USE TABLES  VITROG	AMT. PER VEAR CODE USE TABLE III 10  ROOM  AMT. PER PER CODE USE TABLE III 20	NUMBER DAYS ON SITE 3 DIGIT NO. 365  EN WAREH NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE LISE YASE I	4	MAZARD CLASSES USE TABLE VI	1993  CAS NO. (IF KNOW)  0008006-61  UN/NA NO.  1203  CAS NO. (IF KNOW)	
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CAME LOCATION OF WAR OF WAR OF WAR ON NAME AZARDOUS 1 HIGHEST CONTROL OF THE CONT	ME/TRADE INGREDIE! ONCENTR PHYSICAL STATE USE TABLE !  ONS (BE SPE INGREDIE! ONCENTR PHYSICAL STATE USE TABLE !  ONS (BE SPE INGREDIE! USE TABLE !	NAME: G NAME: G NAME: G ATION;  UNIT OF MEASURE USE TABLE II  UNIT OF WEASURE UNIT OF VEASURE LISE TABLE II  OIFIC) CY	ASOLIN ROLEUM  AVG. AMT. CCODÉ  USE TABLE III  OZ  OIL S  ELIUM IUM -  AVG. AMT. CCODÉ  USE TABLE III  AVG. AMT. CCODÉ  USE TABLE III  LINDER	MAX. AMT. CODE USE TABLE!! O2 TORAGE NITROG MAX. AMT. CODE USE TABLE!! 10 MOUNT	AMT. PER VEAR CODE USE TABLE III 10  ROOM  AMT. PER PER CODE USE TABLE III 20	NUMBER DAYS ON SITE 3 DIGIT NO. 365  EN WAREH NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE LISE YASE I	4	MAZARD CLASSES USE TABLE VI	1993 CAS NO. (IF KNOW) 0008006-6: UN/NA NO. 1203 CAS NO. (IF KNOW) 007440-59-

**OREGON STATE FIRE MARSHAL** 

Account Number HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTION D 2528STANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

006202

REQUEST ADDITIONAL COPIES IF NEEDED COMMON NAME/TRADE NAME: HYDROGEN HAZARDOUS INGREDIENT HYDROGEN IN HIGHEST CONCENTRATION: PHYSICAL UNIT OF STATE MEASURE HAZARD CLASSES CAS NO. (IF KNOWN) USE TABLE ! USE TABLE!! 3 DIGIT NO. USE TABLÉ !!! USÉ TABLE!!! USE TABLE III USE TABLE VI 2 - MIXTURE 20 365 2.1 0000133-74-D 3 3 10 10 1 - NO CHANGE 2 NEW A JOHANGE MACE A - NO LÓNGER UN/NA NO. STORAGE LOCATIONS (SE SPECIFIC) CYLINDER MOUNTED ON SOUTH SI DE OF LABORATORY BLDG OUTSIDE 1049 COMMON NAME/TRADE NAME: METHYL NAPHTHALENE FRACTION HAZARDOUS INGREDIENT METHYL NAPHTHALENE IN HIGHEST CONCENTRATION: PHYSICAL STATE UNIT OF MEASURE AMT, PER YEAR CODE NUMBER DAYS ON SITE TORAGE CODE AVG, AMT. CAS NO. (IF KNOWN) 1 - PURE USE TABLE ! USE TABLE !! USE TABLE IN USE TABLEIII 3 DIGIT NO. USE TABLE III USE TABLE VI 2 - MIXTURE 4.5 2 2 30 30 30 365 Q 001321-94-4 1 - NO CHANGE 2 - NEW 3 - DHANGE MADE 1 4 - NO LÓNGER UN/NA NO. STORAGE L'OCATIONS (BE SPECIFIC) IN TANK FARM #3 TANK, IN RAI CAR ON TRACK #3 SOUTH END OF PLANT 1137 COMMON NAME/TRADE NAME: MOTOR OIL HAZARDOUS INGREDIENT PETROLEUM HYDROCARBON IN HIGHEST CONCENTRATION: PHYSICAL STATE UNIT OF MEASURE AMT, PER YEAR CODE NUMBER DAYS ON SITE HAZARD CLASSES CAS NO. (IF KNOWN) 1 - PURÉ 2 UŞE TABLE I USE TABLE III 3 DIĞİT NÖ. USE TABLE VI UŞE TABLE II USE TABLE III USE TABLEIII 2 - MIXTURE 04 365 04 10 4.5 0064742-54. 1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 3 4 - NO LONGEA UN/NA NO. STORAGE LOCATIONS (BE SPECIFIC) IN OIL STORAGE ROOM IN WARHO USE-SE-END-OF-BLDG 1270 riginal from a comment of the first of COMMON NAME/TRADE NAME: NAPHTHALENE STILL RESIDUE NAPHTHALENE HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: AMT, PER YEAR CODE AVG. AMT. NUMBER CAYS ON SITE STORAGE CODE HAZARD CLASSES PHYSICAL UNIT OF MEASURE CAS NO. (IF KNOWN) USE TABLE VI USE TABLE II USE TABLE III USE TABLE III USE TABLEIN USE TABLE IN 3 DIGIT NO.-2 - MIXTURE 073665-18-6 I - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED UN/NA NO. STORAGE LOCATIONS (BE SPECIFIC) IN TANK FARM #99 TANK, IN RA IL CAR ON TRACK #3 SOUTH END OF PLANT 1334

JAN 24 '94 01:18PM KI OHPS/ENVIOR/LEGAL 412 2272423
FORM OREGON STATE FIRE MARSHAL Account Number

CHEMICAL

### - HAZARDOUS SUBSTANCE EMPLOYER SURVEY SECTION D 2508 STANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

006202

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4 - NO LONGER USED									LINI/NIA AKO
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10.5			,			ì			
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AZARDOUS			CHLOROI				<u> </u>		: "
HIGHEST	CONCENTA						. 1.15		
1-PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG, AMT, CODE	MAX, AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARO CLASSES	CAS NO. (IF KNO
2-MIXTURE	USE TABLE!	USE TABLÉ II	use table iii 03	USÉ TABLEIII	USE TABLE III	3 DIGIT NO. 365	D 1 4	USETABLE VI 6.3 6.4	000127-18
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DMMON NA AZARDOUS HIGHEST C	ME/TRADE INGREDIE: CONCENTR	NAME: PI YT PROI ATION:	PANE	MAX, AMT. CODE	AMT FER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE TV & V)	HAZAPO CLASSES	
OMMON NA AZARDOUS HIGHEST O	ME/TRADE INGREDIE: CONCENTR	NAME: PI YT PROI ATION:	PANE	MAX, AMT. CODE	AMT RER	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE	FAZAFO	
DMMON NA. AZARDOUS HIGHEST C 1 PUPE 9 MIXTURE 1 NO CHANGE	ME/TRADE INGREDIE: CONCENTR Sysicae Userable:	NAME: PI VT PROI ATION: UNIT OF MEASURE!	AVIS. AMT.	MAX. AMT. CODE USE TABLEIII	AMT FER YEAR CODE USE TABLE (II)	ON, SITE 3 DIGIT NO.	STORAGE CODE	HAZAPD CLASSES USE TABLE VI	CAS NO. (IF KNO)
DMMON NA. AZARDOUS HIGHEST C 1- PUPE 2- MIXTURE 1- NO CHANGE 2- NGW 3- CHANGE MACE	ME/TRADE INGREDIE! CONCENTR SAYSICAL USE TABLE:	NAME: PI VT PROI ATION: UNIT OF MEASURE!	AVIS. AMT.	MAX. AMT. CODE USE TABLEIII	AMT FER YEAR CODE USE TABLE (II)	ON, SITE 3 DIGIT NO.	STORAGE CODE	HAZAPD CLASSES USE TABLE VI	CAS NO. (IF KNO)
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HAZARDOUS SUBSTANCE EMPLOYER SURVEY

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REQUEST ADDITIONAL COPIES IF NEEDED COMMON NAME/THADE NAME: REFINED TAR HAZARDOUS INGREDIENT HYDROCARBONS IN HIGHEST CONCENTRATION: AVG. AMT, MAX, AMT, CODE AMT, PER YEAR CODE NUMBER DAYS ON SITE HAZARD CLASSES STORAGE CODE (USE TABLE (V & V) CAS NO. (IF KNOWN) USE TABLE! USE TABLE! USE TABLE III USE TABLEIII | USE TABLE III 3 DIGIT NO. Q USE TABLE VI 2 - MIXTURE 365 30 31 40 4.2 2 A 0065996-93-2 1. NO CHANGE 2 - NEW U - CHANGE MADE 4 - NO LONGER USED UN/NA NO. STORAGE LOCATIONS (BE SPECIFIC) RAIL TRACK #5 BY PITCH STORAL GE BUILDING, IN TANK #23 LOWER TANK FARM COMMON NAME/TRADE NAME: SODIUM HYDROXIDE HAZARDOUS INGREDIENT SODIUM HYDROXIDE IN HIGHEST CONCENTRATION: PHYSICAL STATE UNIT OF MEASURE MAX. AM' CODE AMT PER YEAR CODE AVG, AM' CODE CAS NO. (IF KNOWN) 1 - PURE USE TABLE II (ISE TABLE II USE TABLE III USE TABLESI USE TABLE OF 3 DIGIT NO USE TABLE VI 2 - MIXTURE 1 1 10 10 11 365 8.0 6.3 0001310-73-2 T - NO CHANGE ZINEW 3 - CHANGE MADE 4 - NO LONGEA UN/NA NO. STORAGE LOCATIONS (BE SPECIFIC) IN BOILER ROOM E END 1823 COMMON NAME/TRADE NAME: SODIUM SULFITE HAZARDOUS INGREDIENT SODIUM SULFITE IN HIGHEST CONCENTRATION; PHYSICAL UNIT OF STATE MEASURE AVG. AMT AMT, PER YEAR CODE NUMBER DAYS MAX. AMT. CODE STORAGE CODE USE TABLE IV & VI HAZARD CLASSES CAS NO. (IF KNOWN) I - PURE USE TABLE! USE TABLE II USE TABLEIII a DIGIT NO 2 - MIXTURE USE TABLE III LISE TABLE III USE TABLE VI 0007757-83-365 6.3 5.1 10 10 11 I - NO CHANGE ไร∙ห≣พ 3 - CHANGE MADE 4 - NO LONGEH นธิยต STORAGE LOCATIONS (RE SPECIFIC) IN BOILER ROOM E END UN/NA NO. 0000 COMMON NAME/TRADE NAME: SOLVENT GRADE COAL TAR NAPHTHA HAZARDOUS INGREDIENT PETROLEUM NAPHTHA IN HIGHEST CONCENTRATION: PHYSICAL | STATE UNIT OF MEASURE HAZARD CLASSES CAS NO. (IF KNOWN) : - PLIAE USE TABLEHI USE TABLE VI 365 065996-79-4 \* - NO CHANGE 2 - NEW 3 - CHANGE MACE 4 - NO LONGER USED STORAGE LOCATIONS (BE SPECIFIC) IN TANK FARM TANK #34, IN RA UN/NA NO. IL CAR TRACK #3 SOUTH END OF PLANT 1136

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OFFICE OF
STATE FIRE
MARSHAL

To:

Hazardous Substance Fee Recipients for 1993-1994

#### SUBJECT: 1993-1994 Hazardous Substance Possession Fee (HS94)

The enclosed 1993-1994 Hazardous Substance Possession fee coupon was prepared in accordance with Oregon Revised Statutes (ORS) 453.396 to 453.414. It is based solely on the 1993 Hazardous Substance Survey that your firm completed, signed and submitted to the Office of State Fire Marshal as required by ORS 453.307 to 453.372.

This last year, new companies were added to the system, which would have normally lowered the fees for everyone. However, during the last legislative session DEQ was authorized to collect an additional \$250,000 from this billing cycle for DEQ's orphan site funding. These additional dollars caused the fee to be increased. If you have any questions on the programs being funded please follow the directions listed on information sheet.

#### SUBJECT: Hazardous Substance Possession Fee Advisory Group

At the request of representatives form Oregon Industry and members of the Legislature, the Office of State Fire Marshal established an advisory group to review the current method of assessing hazardous substance possession fees. During 1994 this advisory group met and discussed hazardous substance possession fee issues, concerns and possible solutions.

A report has been prepared which details, who participated, activities, findings and the recommendations of this group. Upon request copies and/or a summary of this report are available. you may request a copy by calling the survey hotline, 503-378-6835 or by writing the address shown below.

Office of State Fire Marshal HazMat Fee/Adv Report 4760 Portland Road, NE Salem, Oregon 97305-1760

Sincerely,

Dennis Wallhall

Dennis Walthall Manager dfwFee84.doc



FORM OREGON HAZARDOUS SUBSTANCE FEE CHEGON DEPARTMENT OF REVENUE Date Received HS Account Number Year JAN. 1, 1995 94 006202 Amount of Payment State Government Local Government For Office Use Only Date Payment Mailed 6890.00 150-607-001 (Rev. 10/93) 1860.00 Amount Due Make check payable to: \$8,750.00 Oregon Department of Revenue KOPPERS INDUSTRIES INC Mail your payment and coupon to: 7540 NW ST HELENS RD н Hazardous Substance Fee PORTLAND, OR 97210 Oregon Department of Revenue PO Box 14110 Salem, OR 97309-0910 000875000 94 82 607 0062027 Keep this portion for your records. Tear out coupon before mailing \* For the year 1994 and in accordance with ORS 453.402 your company is assessed a fee for hazardous substances you possessed, used, stored, manufactured or disposed of at your place of business during 1993 **STATE PROGRAM LOCAL PROGRAM** 006202 Account Number: Account Number: 006202 Substance: COAL TAR PITCH Max. Amt. Code: 60 Substance: COAL TAR PITCH Max. Amt. Code: 60 Location Site: 7540 NW ST HELENS RD Location Site: 7540 NW ST HELENS Hazard Rank: 2 Hazard Rank: 2

#### PLEASE RETAIN A COPY OF PAYMENT COUPON AND THIS SHEET FOR YOUR RECORDS

2000.00	DEQ Toxic Use Reduction Program		Another copy is in Ap file
2890.00	DEQ Orphan Site Clean-Up Program	n	AP file
2000.00	SFM Community Right-to-Know		
1860.00	Local Government Program	PORTLAND	
8750.00	TOTAL		

<sup>\*</sup>Please read on for additional information regarding your fee, the above programs and the appeal process.\*

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#### FEE INFORMATION

Every effort has been made to ensure that the fees assessed are correct and in accordance with the applicable statutes and rules. They are based on information submitted as part of your Community Right to Know Hazardous Substance survey. Reductions in fees cannot be made unless there is sufficient evidence to support a claim that an error was made.

Certain petroleum products and waste are exempt from the hazardous substance fee.

Requests or claims for fee reduction or exemptions will be considered only as part of a fee review process. It is imperative that those wishing a review or examination of their assessed fee, follow the directions for requesting a fee review. Those owing fees may not alter their bills nor send in amounts different from that owing, except as agreed through the review process.

#### HOW TO REQUEST A REVIEW OF YOUR FEE

\* The review process does not stop the accumulation of late charges and penalties.

Please pay the fee by the due date to avoid late charges & penalties.

If you believe a billing error was made, you must within 20 days of the date the bill was mailed, write a letter requesting a review to the Office of State Fire Marshal. Explain why a review is necessary. A representative of the State Fire Marshals Office will either call or write to discuss your issues.

If you request a review, please be sure to include the following:

- 1. Name of your company and the account number
- 2. Company address
- 3. Name of the hazardous substance
- 4. Amount of fee assessed
- 5. Your phone number
- 6. Your basis for a file review

IF YOU MUST CALL FOR INFORMATION, USE THE SALEM HOT LINE NUMBER (503)378-6835. REMEMBER, REQUEST FOR REVIEW MUST BE FILED IN WRITING.

Fee reviews are to be sent to:

Department of State Police Office of State Fire Marshal Fee Review Section 4760 Portland Road NE Salem, Oregon 97305-1760

#### **EXPLANATION OF PROGRAMS**

The Oregon Hazardous Substance Fee will fund programs designed to minimize the use and dangers of hazardous substances. Below is a brief explanation of each of these programs and phone numbers for more information.

Toxic Use Reduction Program Phone: (503)229-5913

Passed in 1989, the Toxic Use Reduction and Hazardous Waste Reduction Act reflects the Oregon legislature's determination that the best way to reduce the adverse effects of chemicals in the workplace and in the environment is through voluntary actions taken by industry to reduce their chemical use and generation of hazardous wastes. The law requires:

- 1. Oregon businesses and industries to develop and implement reduction plans for toxic substances and hazardous wastes;
- 2. The Department of Environmental Quality to provide technical assistance to businesses and industries concerning the reduction of toxic substances and hazardous wastes; and
- 3. The Department of Environmental Quality to monitor the use of toxic substances and the generation of hazardous waste and to report back to the 1991 and 1993 Legislative Assembly.

The Department's Toxic Use Reduction (TUR) Program implements the 1989 Act. It provides, develops, and distributes guidance publications, and provides training and in-plant consultation services to companies requesting such assistance. In addition, the TUR Program actively participates in industry and trade association workshops as well as state-wide and national pollution prevention activities.

Orphan Site Account Phone: (503)229-6170

This money funds a clean-up program for sites contaminated by hazardous materials when responsible parties are unknown, unwilling or unable to pay for clean-up. The Orphan Site Account enabling legislation was enacted by Oregon Legislature in 1989.

Local Government Program Phone: (503)823-3934, (503)823-3920

This program augments the Oregon Community Right to Know program and is used for planning, training, and emergency response.

Community Right to Know Program Phone: (503)378-6835

This program, through the hazardous substance survey system, identifies and locates hazardous substances throughout Oregon. This information is then provided to emergency responders for planning and training for emergencies involving hazardous substances. The legislature addressed three major concerns when it adopted the Community Right to Know Program and Protection Act (ORS 453.307 - 453.414) in 1985.

- 1. The public's health and safety may be endangered by a lack of knowledge about hazardous substances located in the state.
- 2. Information on the use of hazardous substances should be readily available to the public, allowing them to protect themselves against dangers posed to health and safety.
- 3. Emergency personnel must know what types and amounts of hazardous substances are present within the state and where they are located to properly protect human life and property.

FORM COMPANY OSFMB130

# 1994-1995 HAZARDOUS SUBSTANCE EMPLOYER SURVEY OREGON STATE FIRE MARSHAL

Account Number

006202 H

PLEASE TYPE CHANGES OR ADDITIONS IN THE APPROPRIATE AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA.

SECTION A HAZARDOUS SUBSTANCE PRESENCE Check the correct box to the left.	C'. WES
*Are there hazardous substances present at this site in reportable quantities?  If yes, complete sections B, C and D. If no, complete sections B and C.  *Out of Business. (No longer a commercial or industrial establishment). Effect  **If business has been sold, new owner must complete and return survey.	CC, $WES$ $JEM$
SECTION B DEMOGRAPHIC DATA Complete, correct or add information in the bracketed area in	f it is not preprinted.
1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES AND INTERMEDIAT	ES-MFG
2. SIC CODE 2: 0000 DEFINITION:	
3. BUSINESS ACTIVITY: CREOSOTE & COAL TAR PITCH TERMINAL	1
4. DUNN & BRADSTREET,#: <b>02-773-4359</b> [	]
5. MANAGER'S NAME: AMOS S KAMERER [	]
6. BUSINESS NAME: KOPPERS INDUSTRIES INC 7. DEPT. or DIV.: TAR PR	ODUCTS
[ 8. <u>SITE ADDRESS:</u> <b>7540 NW ST HELENS RD</b> 9. <u>MAILING ADDRESS:</u> <b>7540 NW</b> [ CITY: <b>PORTLAND</b> [ CITY: <b>PORTLAND</b> ] [	ST HELENS RD ]
COUNTY: MULTNOMAH COUNTY: MULTNOMAH	1
STATE: OR ZIP CODE: 97210-3663 STATE: OR ZIF	CODE: 97210-3663
10. BUSINESS PHONE: 503-286-3681 11. NUMBER OF EMPLOYEES AT THIS	S SITE: 11
12. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE:  AMOS S KAMERER  A. DAY 503-286-3	ACT PHONES: 68.1 NIGHT 503-246-8045
14. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU	1
SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service need	
X YES NO 15. EMERGENCY PLAN. IF YES: Location: OFFICE AND CONTROL I	]
☐ YES ☑ NO 16. AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT: i.e., sprinkler ☑ YES ☐ NO 17. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING *SEE INSTRUCTIONS	
SECTION C PERSON COMPLETING FORM: THIS PERSON WILL BE CONTACTED TO ANSWE	R ANY QUESTIONS NEEDING CLARIFICATION.
1. PRINT NAME: AMOS S. KAMERER	
	DUSTRIES INC
3. DATE SURVEY COMPLETED: 2/2/95 TAR PRODUC 7540 NW ST PORTLAND	

PLEASE TYPE OR PRINT ALL ANSWERS. THANK - YOU!

### 1994 -1995 OREGON STATE FIRE MARSHAL Account Number HAZARDOUS SUBSTANCE EMPLOYER SURVEY

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### 1994 -1995 OREGON STATE FIRE MARSHAL Account Number

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SECTION D	SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS

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### 1994 -1995 OREGON STATE FIRE MARSHAL Account Number HAZARDOUS SUBSTANCE EMPLOYER SURVEY

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SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202

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HAZARDOUS IN HIGHEST C  PURE	INGREDIEN CONCENTR PHYSICAL STATE USE TABLET  3  [ ]	ATION:  UNIT OF MEASURE USE TABLE II  3  [ ]	AVG. AMT. CODE USE TABLE III  10  [ ]	MAX. AMT. CODE USE TABLE!!! 10 [ ]	VEAR CODE USE TABLE III 20	ON SITE 3 DIGIT NO. <b>365</b>	(USE TABLE IV & V) L 2 4	CLASSES USE TABLE VI	0001333-74-0 [ ] UN/NA NO. (IF KNOWN)
HAZARDOUS IN HIGHEST OF LAE  COMMON NAI HAZARDOUS  HAZARDOUS  AND CHANGE CHANGE MADE AND CONGER  STORAGE LOCATION  COMMON NAI HAZARDOUS	INGREDIEN CONCENTR PHYSICAL STATE USE TABLE I  3  [ ]  INS (REQUIRE CORATOR  ME/TRADE INGREDIEN	NT HYDI ATION: UNIT OF MEASURE USE TABLE II  3  [ ]  P) CYI RY BLDG  NAME: L: NT CREG	AVG. AMT. CODE USE TABLE III  10  [ ]  LINDER OUTS:	MAX. AMT. CODE USE TABLEIII 10 [ ] MOUNTI	YEAR CODE USE TABLE III 20 [ ].	ON SITE 3 DIGIT NO. 365 [ ]	(USE TABLE IV & V) L 2 4	CLASSES USE TABLE VI	0001333-74-0 [ ] UN/NA NO. (IF KNOWN)
HAZARDOUS IN HIGHEST OF LAB  COMMON NAI HAZARDOUS IN HIGHEST OF LAB  COMMON NAI HAZARDOUS IN HIGHEST OF	INGREDIEN CONCENTR PHYSICAL STATE USE TABLE I  INS (REQUIRE CORATOR  ME/TRADE INGREDIEN CONCENTR	NT HYDI ATION: UNIT OF MEASURE USE TABLE II  BLDI CYI RY BLDI NAME: L: NT CREC ATION: UNIT OF	AVG AMT. CODE USE TABLE III  10  [ ]  LINDER OUTS: LIGHT CIOSOTE	MAX AMT. CODE USE TABLEIII 10 [ ] MOUNTIDE  REOSOT	ED ON S	ON SITE 3 DIGIT NO. 365  [ ] SOUTH SI	(USE TABLE IV & V)  L 2 4  [ ] [ ] [ ]  [ ] [ ]	CLASSES USE TABLE VI  2.1	0001333-74-0 [ ] UN/NA NO. (IF KNOWN)
HAZARDOUS IN HIGHEST OF LAE  COMMON NAI HAZARDOUS IN HIGHEST OF LAE	INGREDIEN ONCENTR PHYSICAL STATE USE TABLE I  STATE USE TABLE I  ORATOR  ME/TRADE INGREDIEN ONCENTR PHYSICAL PHYSICAL ONCENTR PHYSICAL STATE	NT HYDI ATION: UNIT OF MEASURE USE TABLE II  3  [ ]  P) CYI RY BLDG  NAME: L: NT CREG ATION: UNIT OF MEASURE	AVG. AMT. CODE USE TABLE III  10  [ ]  LINDER OUTS:  GHT CIOSOTE  AVG. AMT. CODE	MAX. AMT. CODE USE TABLE!!!  10  [ ]  MOUNTIDE	E DIST:	ON SITE 3 DIGIT NO. 365 [ ]	(USE TABLE IV & V) L 2 4	CLASSES USE TABLE VI	0001333-74-0 [
HAZARDOUS IN HIGHEST OF THE PURE  1 PURE 2 MIXTURE  1 NO CHANGE 3 CHANGE MADE 1 NO CHANGE 1 NO CHANGE STORAGE LOCATION DE OF LAE  COMMON NAI HAZARDOUS IN HIGHEST OF  2 MIXTURE 2 MIXTURE	INGREDIEN ONCENTR PHYSICAL STATE USE TABLE I  STATE USE TABLE I  ORATOR  ME/TRADE INGREDIEN ONCENTR PHYSICAL PHYSICAL ONCENTR PHYSICAL STATE	NT HYDI ATION: UNIT OF MEASURE USE TABLE II  3  [ ]  P) CYI RY BLDG  NAME: L: NT CREG ATION: UNIT OF MEASURE	AVG. AMT. CODE USE TABLE III  10  [ ]  LINDER OUTS:  GHT CIOSOTE  AVG. AMT. CODE	MAX. AMT. CODE USE TABLEIII 10 [ ] MOUNTIDE  REOSOT	E DIST:	ON SITE 3 DIGIT NO. 365  [ ]  SOUTH SI  ILLATE  NUMBER DAYS ON SITE	(USE TABLE IV & V)  L 2 4  [ ] [ ] [ ]  [ ] [ ]  [ ]  [ STORAGE CODE (USE 7ABLE IV & V)	CLASSES USE TABLE VI  2.1  [ ] [ ]  HAZARD CLASSES	0001333-74-0 [
HAZARDOUS IN HIGHEST OF LAE  COMMON NAI HAZARDOUS IN CHANGE COMMON NAI HAZARDOUS IN HIGHEST OF  LAE  LACTOR CHANGE  NO CHANGE NO CHANGE LOCATION  LACTOR CHANGE  NO CHANGE LOCATION  LACTOR CHANGE LOCATION  LACTOR CHANGE LOCATION  LACTOR CHANGE LOCATION  LACTOR CHANGE LOCATION  LACTOR CHANGE LOCATION  LACTOR CHANGE LOCATION  LACTOR CHANGE LOCATION  LACTOR CHANGE LOCATION  LOC	INGREDIEN CONCENTR PHYSICAL STATE USE TABLE 1  3  INS IREQUIRE CORATOR  ME/TRADE INGREDIEN CONCENTR PHYSICAL STATE USE TABLE 1  PHYSICAL STATE USE TABLE 1	NT HYDI ATION: UNIT OF MEASURE USE TABLE II  3  [ ]  PARY BLDG  NAME: L: NT CREC ATION: UNIT OF MEASURE USE TABLE II  USE TABLE II	AVG. AMT. CODE  USE TABLE III  10  [ ]  LINDER 3 OUTS:  LIGHT CI DSOTE  AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII 10 [ ] MOUNTIDE  REOSOT	E DIST:	ON SITE 3 DIGIT NO. 365  [ ] SOUTH SI  LLATE  NUMBER DAYS ON SITE 3 DIGIT NO.	(USE TABLE IV & V)  L 2 4  [ ] [ ] [ ]  [ ] [ ]  [ ] [ ]  [ STORAGE CODE (USE TABLE IV & V)  A 1 5	CLASSES USE TABLE VI  2.1  [ ] [ ]  HAZARD CLASSES USE TABLE VI	0001333-74-0 [
HAZARDOUS IN HIGHEST O  IN HIGHEST O  PURE	INGREDIEN CONCENTR PHYSICAL STATE USE TABLE 1  3  INS IREQUIRE CORATOR  ME/TRADE INGREDIEN CONCENTR PHYSICAL STATE USE TABLE 1  PHYSICAL STATE USE TABLE 1	NT HYDI ATION: UNIT OF MEASURE USE TABLE II  3  [ ]  PARY BLDG  NAME: L: NT CREC ATION: UNIT OF MEASURE USE TABLE II  USE TABLE II	AVG. AMT. CODE  USE TABLE III  10  [ ]  LINDER 3 OUTS:  LIGHT CI DSOTE  AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII 10 [ ] MOUNTIDE  REOSOT	E DIST:	ON SITE 3 DIGIT NO. 365  [ ] SOUTH SI  LLATE  NUMBER DAYS ON SITE 3 DIGIT NO.	(USE TABLE IV & V)  L 2 4  [ ] [ ] [ ]  [ ] [ ]  [ ] [ ]  [ STORAGE CODE (USE TABLE IV & V)  A 1 5	CLASSES USE TABLE VI  2.1  [ ] [ ]  HAZARD CLASSES USE TABLE VI	0001333-74-0 [
HAZARDOUS IN HIGHEST OF LAB  COMMON NAI HAZARDOUS IN CHANGE ADDE STORAGE LOCATIO  COMMON NAI HAZARDOUS IN HIGHEST OF  LAB  COMMON NAI HAZARDOUS IN HIGHEST OF	INGREDIEN CONCENTR PHYSICAL STATE USE TABLE I  3  [ ]  NS (REQUIRE CONCENTR PHYSICAL STATE CONCENTR PHYSICAL STATE USE TABLE I USE TABLE I 2  [ ]	NT HYDI ATION: UNIT OF MEASURE USE TABLE II  ATION: UNIT OF NAME: L: NT CREC ATION: UNIT OF MEASURE USE TABLE II  2  [ ]	AVG. AMT. CODE USE TABLE III  LINDER OUTS:  AVG. AMT. CODE USE TABLE III  AVG. AMT. CODE USE TABLE III  30	MAX. AMT. CODE USE TABLEIII 10 [ ] MOUNTIDE  REOSOTI  MAX. AMT. CODE USE TABLEIII 30 [ ]	E DIST	ON SITE 3 DIGIT NO. 365  [ ] SOUTH SI  LLATE  NUMBER DAYS ON SITE 3 DIGIT NO.	(USE TABLE IV & V)  L 2 4  [ ] [ ] [ ]  [ ] [ ]  [ ] [ ]  [ STORAGE CODE (USE TABLE IV & V)  A 1 5	CLASSES USE TABLE VI  2.1  [ ] [ ]  HAZARD CLASSES USE TABLE VI	0001333-74-0 [
HAZARDOUS IN HIGHEST OF LAB  COMMON NAI HAZARDOUS STORAGE LOCATIO DE OF LAB  COMMON NAI HAZARDOUS IN HIGHEST OF  2 - MIXTURE	INGREDIEN ONCENTR PHYSICAL STATE USE TABLE I  INS (REQUIRE ONCENTR ONCENTR PHYSICAL STATE I USE TABLE I  A STATE ONCENTR ONCEN	NT HYDI ATION: UNIT OF MEASURE USE TABLE II  ON CYI RY BLDO  NAME: L: NT CREC ATION: UNIT OF MEASURE USE TABLE II  2  [ ]	AVG. AMT. CODE USE TABLE III  LINDER OUTS:  AVG. AMT. CODE USE TABLE III  AVG. AMT. CODE USE TABLE III  TANK	MAX. AMT. CODE USE TABLE!!! 10 [ ] MOUNTIDE  MAX. AMT. CODE USE TABLE!!! 30 [ ]	E DIST	ON SITE 3 DIGIT NO. 365  [ ] SOUTH SI  LLATE  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]	(USE TABLE IV & V)  L 2 4  [ ] [ ] [ ]  [ ] [ ]  [ ] [ ]  [ STORAGE CODE (USE TABLE IV & V)  A 1 5	CLASSES USE TABLE VI  2.1  [ ] [ ]  HAZARD CLASSES USE TABLE VI	0001333-74-0 [
HAZARDOUS IN HIGHEST OF LAB  COMMON NAI HAZARDOUS STORAGE LOCATIO  COMMON NAI HAZARDOUS IN HIGHEST OF  LAB  COMMON NAI HAZARDOUS IN HIGHEST OF  COMMON NAI	INGREDIEN ONCENTR PHYSICAL STATE USE TABLE I  INS (REQUIRE ONCENTR ONCENTR PHYSICAL STATE I USE TABLE I  A STATE ONCENTR ONCEN	NT HYDI ATION: UNIT OF MEASURE USE TABLE II  ON CYI RY BLDO  NAME: L: NT CREC ATION: UNIT OF MEASURE USE TABLE II  2  [ ]	AVG. AMT. CODE USE TABLE III  LINDER OUTS:  AVG. AMT. CODE USE TABLE III  AVG. AMT. CODE USE TABLE III  TANK	MAX. AMT. CODE USE TABLE!!! 10 [ ] MOUNTIDE  MAX. AMT. CODE USE TABLE!!! 30 [ ]	E DIST	ON SITE 3 DIGIT NO. 365  [ ] SOUTH SI  LLATE  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]	(USE TABLE IV & V)  L 2 4  [ ] [ ] [ ]  [ ] [ ]  [ ] [ ]  [ STORAGE CODE (USE TABLE IV & V)  A 1 5	CLASSES USE TABLE VI  2.1  [ ] [ ]  HAZARD CLASSES USE TABLE VI	0001333-74-0 [

### 1994 -1995 OREGON STATE FIRE MARSHAL Account Number

HAZARDOUS SUBSTANCE EMPLOYER SURVEY
SECTION D SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202

SFMB131									AUEVO H
JOWING IN IN	ME/TRADE	NAME: MI	FTHYI	SOLVEN	T CREO	SOTE DIS	TTIIATÉ		
HAZARDOUS			OSOTE	OOLVEN	· OKEO	JOIL DIO			
IN HIGHEST C	CONCENTRA	ATION:					[		
1 · PUBE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX, AMT CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN
2 - MIXTURE	USE TABLE I		USE TABLE II		USE TABLE III	3 DIGIT NO.	A 1 5	USE TABLE VI	
: - NO CHANGE	2	2	30	30	30	365	Q 1 5	4.5 6.5	65996-92-1
2 - NEW 3 - CHANGE MADE 4 - NO LONGER	E [ ]	[ ].	[ ]	[ ]	[ ]	[ ]			[
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1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN
2 - MIXTURE	USE TABLE I	_	USE TABLE II		USE TABLE III	3 DIGIT NO.	D 1 4	USE TABLE VI	
7 - NO CHANGE	2	2	04	04	10	365		4.5	64742-54-7
2 · NEW	[ ]	r 1	1	r 1	1 1	r 1	11111	1 1 1 1	ſ
3 - CHANGE MADE 4 - NO LONGER		L 1	L J	l J	l l	L J			L
USED PAGE LOCATION	ONS (REQUIRE	D) IN	OIL S	TODAGE	POOM 1	IN MAINT	11111		UN/NA NO. (IF KNOW
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COMMON NAI H <b>A</b> ZARDOUS	INICOEDIEN		THALE		IILL KE	ESIDUE	Ĺ		
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N HIGHEST C		ATION:					1		
	PHYSICAL	UNIT OF	AVG. AMT.	MAX. AMT.	AMT PER	NUMBER DAYS	STORAGE CODE	HAZARD	CAS NO (IF KNOWN
1 - PURE	CONCENTRA		AVG. AMT. CODE USE TABLE III	MAX, AMT. CODE	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	(USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN
	PHYSICAL STATE USE TABLE	UNIT OF MEASURE USE TABLE II	USE TABLE III	MAX, AMT. CODE USE TABLE!!!	USE TABLE III	ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V) Q 1 5	USE TABLE VI	
1 - PURE 2 - MIXTURE 1 - NO CHANGE	PHYSICAL STATE	UNIT OF MEASURE	CODE	MAX, AMT. CODE		ON SITE	(USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI 4.5 6.3	CAS NO. (IF KNOWN 073665-18-6
1 - PURE 2 - MIXTURE 1 - NO CHANGE 2 - NEW	PHYSICAL STATE USE TABLE   2	UNIT OF MEASURE USE TABLE II	USE TABLE III	MAX. AMT. CODE USE TABLESS	USE TABLE III	ON SITE 3 DIGIT NO.	(USE TABLE IV & V)	USE TABLE VI	073665-18-6
1 - PURE 2 - MIXTURE 1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 1 - NO LONGER	PHYSICAL STATE USE TABLE   2	UNIT OF MEASURE USE TABLE II	USE TABLE III	MAX. AMT. CODE USE TABLESS	USE TABLE III	ON SITE 3 DIGIT NO. 365	Q 1 5	4.5 6.3	073665-18-6
1 - PURE 2 - MIXTURE 1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED	PHYSICAL STATE USE TABLE   2	UNIT OF MEASURE USE TABLE II	CODE USE TABLE III 30	MAX AMT. CODE USE TABLEIN 30	30	ON SITE 3 DIGIT NO. <b>365</b>	Q 1 5	4.5 6.3	<b>073665-18-6</b>
1 - PURE 2 - MIXTURE 1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED DRAGE LOCATIO	PHYSICAL STATE USE TABLE   2	UNIT OF MEASURE USE TABLE II 2 [ ]	CODE USE TABLE III 30 [ ]	MAX AMT. CODE USE TABLEM 30  [ ]	30 [ ]	ON SITE 3 DIGIT NO. 365	Q 1 5	4.5 6.3	<b>073665-18-6</b>
1 - PURE 2 - MIXTURE 1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED 0RAGE LOCATIO	PHYSICAL STATE USE TABLE   2	UNIT OF MEASURE USE TABLE II 2 [ ]	CODE USE TABLE III 30 [ ]	MAX AMT. CODE USE TABLEM 30  [ ]	30	ON SITE 3 DIGIT NO. 365	Q 1 5	4.5 6.3	073665-18-6 [ UN/NA NO. (IF KNOWN
2 - MIXTURE 2 - MIXTURE 1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 1 - NO LONGER USED DRAGE LOCATIO 9 - AND	PHYSICAL STATE USE TABLE   2	UNIT OF MEASURE USE TABLE!  2  [ ]  DI IN  BLY IN	CODE USE TABLE III 30 [ ] TANK A RAI	MAX AMT. CODE USE TABLEM 30  [ ]	TANKS	ON SITE 3 DIGIT NO. 365 [ ] #34 AND CT #3.	(USE TABLE IV & V) Q 1 5	USE TABLE VI 4.5 6.3	<b>073665-18-6</b>
2 - MIXTURE 2 - MIXTURE 3 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED DRAGE LOCATIO	PHYSICAL STATE USE TABLE   2	UNIT OF MEASURE USE TABLE!  2  [ ]  DI IN  BLY IN	CODE USE TABLE III 30 [ ] TANK A RAI	MAX AMT. CODE USE TABLEM 30  [ ]	TANKS	ON SITE 3 DIGIT NO. 365 [ ] #34 AND CT #3.	Q 1 5	USE TABLE VI 4.5 6.3	073665-18-6 [ UN/NA NO. (IF KNOW)
2 - MIXTURE 2 - MIXTURE 2 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED  ORAGE LOCATIO 99, AND	PHYSICAL STATE USE TABLE   2	UNIT OF MEASURE USE TABLE!  2  [ ]  DI IN  BLY IN	CODE USE TABLE III 30 [ ] TANK A RAI	MAX AMT. CODE USE TABLEM 30  [ ]	TANKS	ON SITE 3 DIGIT NO. 365 [ ] #34 AND CT #3.	(USE TABLE IV & V) Q 1 5	USE TABLE VI 4.5 6.3	073665-18-6 [ UN/NA NO. (IF KNOWN
2 - MIXTURE 2 - MIXTURE 2 - NO CHANGE 3 - CHANGE MADE 4 - NO LONGER USED DRAGE LOCATIO 29 , AND IN TANK F	PHYSICAL STATE USE TABLE   2   2   2   2   2   2   2   2   2	UNIT OF MEASURE USE TABLE 1 2 [ ] IN BLY IN NKS #34	CODE USE TABLE III 30  [ ] TANK A RAI AND #1	MAX AMT. CODE USE TABLEM 30  [ ]	TANKS	ON SITE 3 DIGIT NO. 365 [ ] #34 AND CT #3.	(USE TABLE IV & V) Q 1 5	USE TABLE VI 4.5 6.3	073665-18-6 [ UN/NA NO. (IF KNOWN
1 - PURE 2 - MIXTURE 1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 1 - NO LONGER USED PARAGE LOCATIO P9 - AND IN TANK F	PHYSICAL STATE USE TABLE 2  PONS (REQUIRE POSSIE)  PARM, TAI  ME/TRADE	UNIT OF MEASURE USE TABLE 1  2  [ ]  Pl IN BLY IN  NKS #34  NAME: 0	CODE USE TABLE III 30  [ ] TANK A RAI AND #1	MAX AMT. CODE USE TABLEM 30  [ ]	TANKS	ON SITE 3 DIGIT NO. 365 [ ] #34 AND CT #3.	(USE TABLE IV & V) Q 1 5	USE TABLE VI 4.5 6.3	073665-18-6 [ UN/NA NO. (IF KNOWN
1 - PURE 2 - MIXTURE 1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 1 - NO LONGER USED  ORAGE LOCATIO OP , AND  IN TANK F  COMMON NAME HAZARDOUS	PHYSICAL STATE USE TABLE   2   2   2   2   2   2   2   2   2	UNIT OF MEASURE USE TABLE II  2  [ ]  PI IN  BLY IN  NKS #34  NAME: 0X	CODE USE TABLE III 30  [ ] TANK A RAI AND #1	MAX AMT. CODE USE TABLEM 30  [ ]	TANKS	ON SITE 3 DIGIT NO. 365 [ ] #34 AND CT #3.	(USE TABLE IV & V) Q 1 5	USE TABLE VI 4.5 6.3	073665-18-6 [ UN/NA NO. (IF KNOWN
1 PURE 2 MIXTURE 1 NO CHANGE 3 CHANGE MADE 1 NO LONGER USED ORAGE LOCATIO P9, AND IN TANK F COMMON NAI HAZARDOUS N HIGHEST C	PHYSICAL STATE USE TABLE   2   2   2   2   2   2   2   2   2	UNIT OF MEASURE USE TABLE II  2  [ ]  PI IN  BLY IN  NKS #34  NAME: 0)  IT OXY(  ATION:	TANK A RAI  AND #1	MAX AMT.  CODE  USE TABLEH  30  [ ]  FARM, L CAR (	TANKS SON TRAC	ON SITE 3 DIGIT NO. 365  [ ] #34 AND CT #3.  LY IN A RA	(USE TABLE IV & V) Q 1 5  [ ] [ ] [ ]  [ ] [ ] [ ]  ILCAR ON TRACK	#3	073665-18-6 [ UN/NA NO. (IF KNOWN 1334 [
1 PURE 2 MIXTURE 1 NO CHANGE 3 CHANGE MADE 1 NO LONGER USED ORAGE LOCATIO P9, AND IN TANK F COMMON NAMINATAZARDOUS N HIGHEST C	PHYSICAL STATE USE TABLE   2   2   2   2   2   2   2   2   2	UNIT OF MEASURE USE TABLE II  2  [ ]  PL IN BLY IN NKS #34  NAME: 0) IT OXY( ATION: JANTOF MEASURE WEASURE	CODE USE TABLE III 30  [ ] TANK A RAI AND #1  CODE	MAX AMT CODE USE TABLEH 30  [ ]  FARM, L CAR ( 02, AND	TANKS ON TRAC	ON SITE 3 DIGIT NO. 365  [ ] #34 AND CT #3.  Y IN A RA  NUMBER DAYS ON SITE	(USE TABLE IV & V) Q 1 5	#3   HAZARD CLASSES	073665-18-6 [ UN/NA NO. (IF KNOWN 1334 [
2 - MIXTURE 2 - MIXTURE 3 - CHANGE MADE 4 - NO LONGER USED ORAGE LOCATIO 99, AND IN TANK F COMMON NAMINATARA POUS N HIGHEST C	PHYSICAL STATE USE TABLE   2	UNIT OF MEASURE USE TABLE II  2  [ ]  PL IN BLY IN  NKS #34  NAME: 0) IT OXY( ATION: JANCE TABLE II WEASURE USE TABLE II USE TABLE II	CODE USE TABLE III 30  [ ] TANK A RAI AND #1  CODE  AVG AMT CODE USE TABLE III	MAX AMT CODE USE TABLEIII 30  [ ]  FARM, L CAR ( 02, AND	TANKS ON TRAC	ON SITE 3 DIGIT NO. 365  [ ] #34 AND CT #3.  LY IN A RA  NUMBER DAYS ON SITE 3 DIGIT NO.	(USE TABLE IV & V) Q 1 5  [ ] [ ] [ ]  [ ] [ ] [ ]  ILCAR ON TRACK	#3 HAZARD CLASSES USE TABLE VI	073665-18-6 [ UN/NA NC. (IF KNOWN  1334 [  CAS NO. (IF KNOWN
1 PURE 2 - MIXTURE 1 NO CHANGE 2 - NEW 3 - CHANGE MADE 1 NO LONGER DORAGE LOCATIO DO AND IN TANK F COMMON NAMI HAZARDOUS N HIGHEST CO 2 - MIXTURE 1 - NO CHANGE	PHYSICAL STATE USE TABLE   2   2   2   2   2   2   2   2   2	UNIT OF MEASURE USE TABLE II  2  [ ]  PL IN BLY IN NKS #34  NAME: 0) IT OXY( ATION: JANTOF MEASURE WEASURE	CODE USE TABLE III 30  [ ] TANK A RAI AND #1  CODE	MAX AMT CODE USE TABLEH 30  [ ]  FARM, L CAR ( 02, AND	TANKS ON TRAC	ON SITE 3 DIGIT NO. 365  [ ] #34 AND CT #3.  Y IN A RA  NUMBER DAYS ON SITE	(USE TABLE IV & V) Q 1 5  [ ] [ ] [ ]  [ ] [ ] [ ]  ILCAR ON TRACK	#3   HAZARD CLASSES	073665-18-6 [ UN/NA NO. (IF KNOWN 1334 [
1 - PURE 2 - MIXTURE 1 - NO CHANGE 3 - CHANGE MADE 1 - NO LONGER DORAGE LOCATIO 29 , AND IN TANK F COMMON NAI HAZARDOUS N HIGHEST C 2 - MIXTURE 1 - NO CHANGE 2 - NEW	PHYSICAL STATE USE TABLE  2  [ ]  DNS (REQUIRE) POSSIE  PARM, TAI  ME/TRADE INGREDIEN CONCENTRA  PHYSICAL STATE USE TABLE USE TABLE  3	UNIT OF MEASURE USE TABLE!  2  [ ]  Pl IN  BLY IN  NKS #34  NAME: O)  IT OXY(  ATION:  VEASURE USE TABLE!!  3	CODE USE TABLE III 30  [ ]  TANK A RAI AND #1   XYGEN GEN USE TABLE III 11	MAX AMT CODE USE TABLEH 30  [ ]  FARM, L CAR ( 02, AND  MAX AMT CODE USE TABLEH 20	TANKS ON TRACE POSSIBLE  AMT PER YEAR CODE USE TABLE III 20	ON SITE 3 DIGIT NO. 365  [ ] #34 AND CT #3.  LY IN A RA  NUMBER DAYS ON SITE 3 DIGIT NO.	(USE TABLE IV & V) Q 1 5  [ ] [ ] [ ]  [ ] [ ] [ ]  ILCAR ON TRACK	#3 HAZARD CLASSES USE TABLE VI	073665-18-6 [ UN/NA NC. (IF KNOWN  1334 [  CAS NO. (IF KNOWN
1 PURE 2 MIXTURE 1 NO CHANGE 3 CHANGE MADE 1 NO CHANGE WADE 1 NO CHANGE MADE 1 SED ORAGE LOCATIO 99, AND IN TANK F COMMON NAI HAZARDOUS IN HIGHEST CO 1 PURE 2 MIXTURE 1 NO CHANGE MACE 4 NO CHANGE MACE 5 CHANGE M	PHYSICAL STATE USE TABLE  2  [ ]  DNS (REQUIRE) POSSIE  PARM, TAI  ME/TRADE INGREDIEN CONCENTRA  PHYSICAL STATE USE TABLE USE TABLE  3	UNIT OF MEASURE USE TABLE II  2  [ ]  PL IN BLY IN  NKS #34  NAME: 0) IT OXY( ATION: JANCE TABLE II WEASURE USE TABLE II USE TABLE II	CODE USE TABLE III 30  [ ] TANK A RAI AND #1  CODE  AVG AMT CODE USE TABLE III	MAX AMT CODE USE TABLEIII 30  [ ]  FARM, L CAR ( 02, AND	TANKS ON TRAC	ON SITE 3 DIGIT NO. 365  [ ] #34 AND CT #3.  LY IN A RA  NUMBER DAYS ON SITE 3 DIGIT NO.	(USE TABLE IV & V) Q 1 5  [ ] [ ] [ ]  [ ] [ ] [ ]  ILCAR ON TRACK	#3 HAZARD CLASSES USE TABLE VI	073665-18-6 [ UN/NA NC. (IF KNOWN  1334 [  CAS NO. (IF KNOWN
1 - PURE 2 - MIXTURE 1 - NO CHANGE 3 - CHANGE MADE 1 - NO LONGER 1 - NO LONGER 1 - PURE 2 - MIXTURE 2 - MIXTURE 2 - MIXTURE 3 - CHANGE MADE 4 - NO CHANGE MADE 4 - NO LONGER 1 - PURE 2 - MIXTURE 3 - CHANGE MADE 4 - NO LONGER 1 - PURE 1 - NO CHANGE MADE 4 - NO LONGER 1 - PURE 1 - NO CHANGE MADE 1 - PURE 1 - NO CHANGE MADE 1 - NO CHANGE MADE 1 - NO LONGER 1 - PURE 1 - NO CHANGE MADE 1 - NO CHA	PHYSICAL STATE USE TABLE   2	UNIT OF MEASURE USE TABLE 1  2  [ ]  DI IN BLY IN  NKS #34  NAME: 0) IT OXY( ATION: UNIT OF MEASURE USE TABLE 1  3  [ 2 ]	CODE USE TABLE III 30  [ ]  TANK A RAI  AND #1   XYGEN GEN USE TABLE III 11  [04]	MAX AMT. CODE USE TABLEH 30  [ ]  FARM, L CAR ( 02, AND  MAX AMT CODE USE TABLEH 20  [ 11 ]	TANKS ON TRACE POSSIBLE  AMT PER PEAR CODE USE TABLE III  20  [ 11 ]	ON SITE 3 DIGIT NO. 365  [ ] #34 AND CT #3.  LY IN A RA  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]	(USE TABLE IV & V) Q 1 5  [ ] [ ] [ ]  [ ] [ ] [ ]  ILCAR ON TRACK	#3 HAZARD CLASSES USE TABLE VI	073665-18-6 [ UN/NA NO. (IF KNOWN)  1334 [ CAS NO. (IF KNOWN)  007782-44-7 [
1 - PURE 2 - MIXTURE 1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 1 - NO LONGER DORAGE LOCATIO 3 - AND IN TANK F  COMMON NAI HAZARDOUS IN HIGHEST C 2 - MIXTURE 1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED DRAGE LOCATIO	PHYSICAL STATE USE TABLE  POSSIE  POSSIE  POSSIE  POSSIE  CONCENTRA  ME/TRADE INGREDIEN CONCENTRA  PHYSICAL STATE USE TABLE  USE TABLE  3  [ ]	UNIT OF MEASURE USE TABLE II  2  [ ]  PI IN  BLY IN  NKS #34  NAME: OX  IT OXY  ATION:  JAIT OF  MEASURE USE TABLE II  3  [ 2 ]	CODE USE TABLE III 30  [ ]  TANK A RAI  AND #1  CODE USE TABLE III  11  [04 ]	MAX AMT CODE USE TABLEH 30  [ ]  FARM, L CAR 02, AND  MAX AMT CODE USE TABLEH 20  [ 11 ]	TANKS ON TRACE POSSIBLE  AMT PER PEAR CODE USE TABLE III  20  [ 11 ]	ON SITE 3 DIGIT NO. 365  [ ] #34 AND CT #3.  LY IN A RA  NUMBER DAYS ON SITE 3 DIGIT NO.	(USE TABLE IV & V) Q 1 5  [ ] [ ] [ ]  [ ] [ ] [ ]  ILCAR ON TRACK	#3 HAZARD CLASSES USE TABLE VI	[ UN/NA NO. (IF KNOWN 1334 [ ]
1 PURE 2 MIXTURE 1 NO CHANGE 3 CHANGE MADE 1 NO LONGER USED ORAGE LOCATIO OP AND IN TANK F COMMON NAI HAZARDOUS N HIGHEST CO 2 MIXTURE 1 NO CHANGE 2 NEW 3 CHANGE MADE 4 NO LONGER USED ORAGE LOCATIO	PHYSICAL STATE USE TABLE  POSSIE  POSSIE  POSSIE  POSSIE  CONCENTRA  ME/TRADE INGREDIEN CONCENTRA  PHYSICAL STATE USE TABLE  USE TABLE  3  [ ]	UNIT OF MEASURE USE TABLE II  2  [ ]  PI IN  BLY IN  NKS #34  NAME: OX  IT OXY  ATION:  JAIT OF  MEASURE USE TABLE II  3  [ 2 ]	CODE USE TABLE III 30  [ ]  TANK A RAI  AND #1  CODE USE TABLE III  11  [04 ]	MAX AMT CODE USE TABLEH 30  [ ]  FARM, L CAR 02, AND  MAX AMT CODE USE TABLEH 20  [ 11 ]	TANKS ON TRACE POSSIBLE  AMT PER PEAR CODE USE TABLE III  20  [ 11 ]	ON SITE 3 DIGIT NO. 365  [ ] #34 AND CT #3.  LY IN A RA  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]	(USE TABLE IV & V) Q 1 5  [ ] [ ] [ ]  [ ] [ ] [ ]  ILCAR ON TRACK	#3 HAZARD CLASSES USE TABLE VI	073665-18-6 [ UN/NA NO. (IF KNOWN)  1334 [ CAS NO. (IF KNOWN)  007782-44-7 [ UN/NA NO. (IF KNOWN)
2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 1 - NO LONGER USED 1 - NO LONGER 1 - NO LONGER 1 - NO CHANGE 2 - MIXTURE 1 - NO CHANGE 2 - NEW 3 - CHANGE MAGE 4 - NO LONGER 4 - NO LONGER	PHYSICAL STATE USE TABLE  POSSIE  POSSIE  POSSIE  POSSIE  CONCENTRA  ME/TRADE INGREDIEN CONCENTRA  PHYSICAL STATE USE TABLE  USE TABLE  3  [ ]	UNIT OF MEASURE USE TABLE II  2  [ ]  PI IN  BLY IN  NKS #34  NAME: OX  IT OXY  ATION:  JAIT OF  MEASURE USE TABLE II  3  [ 2 ]	CODE USE TABLE III 30  [ ]  TANK A RAI  AND #1  CODE USE TABLE III  11  [04 ]	MAX AMT CODE USE TABLEH 30  [ ]  FARM, L CAR 02, AND  MAX AMT CODE USE TABLEH 20  [ 11 ]	TANKS ON TRACE POSSIBLE  AMT PER PEAR CODE USE TABLE III  20  [ 11 ]	ON SITE 3 DIGIT NO. 365  [ ] #34 AND CT #3.  LY IN A RA  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]	(USE TABLE IV & V) Q 1 5  [ ] [ ] [ ]  [ ] [ ] [ ]  ILCAR ON TRACK	#3 HAZARD CLASSES USE TABLE VI	073665-18-6 [ UN/NA NC. (IF KNOWN)  1334 [ CAS NO. (IF KNOWN)  007782-44-7 [

### 1994 -1995 OREGON STATE FIRE MARSHAL Account Number

HAZARDOUS SUBSTANCE EMPLOYER SURVEY SECTION D SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006292 OSFMB131 COMMON NAME/TRADE NAME: PERCHLOROETHYLENE ĺ HAZARDOUS INGREDIENT PERCHLOROETHYLENE IN HIGHEST CONCENTRATION: PHYSICAL UNIT OF STATE MEASURE USE TABLE! USE TABLE!! AVG. AMT. CODE USE TABLE III AMT, PER YEAR CODE USE TABLE III NUMBER DAYS ON SITE MAX. AMT CAS NO. (IF KNOWN) CLASSES USE TABLE VI : PURE (USE TABLE IV & V) USE TABLEIII 3 DIGIT NO. 2 2 · MIXTURE n 1 2 2 03 03 03 365 6.3 6.4 000127-18-4 : - NO CHANGE 2 NEW ] [ 3 - CHANGE MADE 4 - NO LONGER UN/NA NO. (IF KNOWN) STORAGE LOCATIONS (REQUIRED) IN METAL DRUM OUTSIDE W END OF LAB 1897 COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CALORIA HT! HAZARDOUS INGREDIENT PETROOLEUM DISTILLATES IN HIGHEST CONCENTRATION: PHYSICAL UNIT OF AVG. AMT.
STATE MEASURE CODE
USE TABLE I USE TABLE II USE TABLE III HAZARD CLASSES USE TABLE VI STORAGE CODE (USE TABLE IV & V) NUMBER DAYS CAS NO. (IF KNOWN) ON SITE 2 USE TABLEIII USE TABLE III 3 DIGIT NO. 2 - MIXTURE 2 2 20 20 4.5 20 365 1 - NO CHANGE 2 - NEW ] [ 3 - CHANGE MADE 4 - NO LONGER USED UN/NA NO. (IF KNOWN) STORAGE LOCATIONS (REQUIRED) IN ABOVE GROUND EXPANSION TA NK NEXT TO TANK #65 COMMON NAME/TRADE NAME: PRIMING AND REFACTORY OIL HAZARDOUS INGREDIENT CREOSOTE IN HIGHEST CONCENTRATION: MAX. AMT. CODE AMT. PER YEAR CODE HAZARD CLASSES PHYSICAL UNIT OF STATE MEASURE AVG. AMT. NUMBER DAYS STORAGE CODE CAS NO. (IF KNOWN) ON SITE 2 USE TABLE! USE TABLE! USE TABLE III 2 - MIXTURE 2 20 20 20 365 4.5 6.5 65996-92-1 1 - NO CHANGE 2 - NEW 3 ] [ 3 - CHANGE MADE - NO LONGER USED UN/NA NO. (IF KNOWN) STORAGE LOCATIONS (REQUIRED) IN TANK FARM, TANK #19 3082 IN TANK FARM, TANK #19 AND IN DRUMS BEHIND MAINTENANCE SHOP COMMON NAME/TRADE NAME: PROPANE HAZARDOUS INGREDIENT PROPANE IN HIGHEST CONCENTRATION: AMT PER YEAR CODE UNIT OF MAX, AMT CODE HAZARD CLASSES PHYSICAL AVG. AMT. CODE NUMBER DAYS ON SITE CAS NO. (IF KNOWN) : PURE MEASURE 2 USE TABLE I USE TABLE II I USE TABLE III USE TABLE! 3 DIGIT NO. USE TABLE VI 2 - MIXTURE 2 04 04 000074-98-6 10 365 2.1 6.3 1 - NO CHANGE 2 - NEW ] [ 3 - CHANGE MADE 4 - NO LONGER USED UN/NA NO. (IF KNOWN) STORAGE LOCATIONS (REQUIRED) ] [ OUTSIDE IN THE REAR OF THE ME AINTENANCE BUILDING, IN FORK LIFTS IN SAME ARE AND IN CANNISTERS AT TRACK #5 LOADING STATION. 1075

#### 1994 -1995 OREGON STATE FIRE MARSHAL Account Number

HAZARDOUS SUBSTANCE EMPLOYER SURVEY **SECTION D** SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202 OSFMB131 COMMON NAME/TRADE NAME: QUINOLINE REFINED HAZARDOUS INGREDIENT QUINOLINE IN HIGHEST CONCENTRATION: HAZARD CLASSES USE TABLE VI PHYSICAL STATE NUMBER DAYS STORAGE CODE (USE TABLE IV & V) CAS NO. (IF KNOWN) USE TABLE III USE TABLEIII USE TABLE I USE TABLE II USE TABLE III 3 DIGIT NO 2 1 2 - MIXTURE ' 2 2 02 02 02 365 8.0 00091-22-5 1 - NO CHANGE 2 · NEW ] [ 3 - CHANGE MADE NO LONGER UN/NA NO. (IF KNOWN) ][][ STORAGE LOCATIONS (REQUIRED) IN REAR OF LAB IN SAMPLE ROO М 1760 COMMON NAME/TRADE NAME: REFINED TAR HAZARDOUS INGREDIENT HYDROCARBONS IN HIGHEST CONCENTRATION: AVG. AMT. MAX. AMT. CODE CODE HAZARD CLASSES USE TABLE VI PHYSICAL STATE UNIT OF MEASURE STORAGE CODE (USE TABLE IV & V) AMT. PER YEAR CODE CAS NO. (IF KNOWN) ON SITE 2 USE TABLE! USE TABLE! 3 DIGIT NO. 5 Q 2 · MIXTURE 2 2 30 30 1 5 4.2 31 365 0065996-93-2 Α 1 - NO CHANGE 2 - NEW [40] ] [ 3 - CHANGE MADE 4 - NO LONGER USED UN/NA NO. (IF KNOWN) STORAGE LOCATIONS (REQUIRED) TANK CARS ON RAIL TRACK #3 ND TRACK #5, LOWER TANK FARM TANK #19. 3082 IN TANK CARS ON TRACK #3 OR #5 COMMON NAME/TRADE NAME: SODIUM HYDROXIDE HAZARDOUS INGREDIENT SODIUM HYDROXIDE IN HIGHEST CONCENTRATION: AVG. AMT PHYSICAL STATE UNIT OF MEASURE AMT. PER STORAGE CODE MAX. AMT. NUMBER DAYS HAZARD CAS NO. (IF KNOWN) 1 - PURE USE TABLE I USE TABLE II USE TABLE III 2 - MIXTURE 1 10 10 11 365 8.0 6.3 0001310-73-2 1 - NO CHANGE 2 - NEW ] ] [ 3 - CHANGE MADE · NO LONGER USED UN/NA NO. (IF KNOWN) STORAGE LOCATIONS (REQUIRED) IN BOILER ROOM E END 1823 COMMON NAME/TRADE NAME: SODIUM SULFITE HAZARDOUS INGREDIENT SODIUM SULFITE IN HIGHEST CONCENTRATION: UNIT OF PHYSICAL AVG. AMT. MAX, AMT AMT. PER EAR CODE NUMBER DAYS CAS NO. (IF KNOWN) USE TABLE III USE TABLE 2 DIGIT NO USE TABLE // 2 - MIXTURE 1 1 10 10 0007757-83-7 11 365 6.3 5.1 1 - NO CHANGE 2 - NEW ] ] [ 3 - CHANGE MADE · NO LONGER USED UN/NA NO. (IF KNOWN) STORAGE LOCATIONS (REQUIRED) IN BOILER ROOM E END 0000

#### 1994 -1995 OREGON STATE FIRE MARSHAL Account Number

CHEWIOAL	HAZARDOUS SUBSTANCE EMPLOYER SURVEY	
SECTION D	SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS	006202
		11.

HAZARDOUS II			ROLEUM	HYDRO	CARBONS	•	• .		
IN HIGHEST CO		ATION:					STORAGE CODE	HAZARD	CASNO (IE KNOWN)
2 MIXTURE	PHYSICAL STATE USE TABLE	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE !!!	MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V) D 1 5	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
NO CHANGE	2	2	20	20	21	365		4.5 0	0065996-93-2
2 - NEW 3 - CHANGE MADE	[ ]	[ ]		[ ]	[ ]		[][][]		1 (
USED DRAGE LOCATION	IS (REQUIRE	ED) ON	ACDUAL	T 67 1	DEAD OF	- MATNE			UN/NA NO. (IF KNOWN
NCE SHO		OI1			REAR OF LOADIN	MAINTE	11111		3082
COMMON NAM HAZARDOUS I IN HIGHEST CO	NGREDIE	NT XYLE	AVG. AMT.	MAX. AMT. CODE	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE : V & V)  D 1 4  N 1 4	HAZARD CLASSES USE TABLE VI 3.3 6.3	CAS NO. (IF KNOWN 001330-20-7
2 - NEW 3 - CHANGE MADE 1 - NO LONGER USED  ORAGE LOCATION  LAB AL					OUTSIDE	[ ]		[ ][	UN/NA NO. (IF KNOW!
									1307
HAZARDOUS I	NGREDIE	NT					[		
IAZARDOUS I N HIGHEST C	NGREDIE ONCENTF	NT RATION:	AVG. AMT	, MAX AMT.	AMT PER	NUMBER DAYS	[ STOPAGE CODE	HAZARD	L CAS NO (IE KNOWN
HAZARDOUS I N HIGHEST CO 1 PURE 2 MIXTURE 1 NO CHANGE	NGREDIE	NT RATION: UNIT OF MEASURE	AVG. AMT CODE USE TABLE !!	CODE	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN
HAZARDOUS I N HIGHEST CO 1 - PURE 2 - MIXTURE 1 - NO CHANGE 2 - NEW 3 - CHANGE MACE 1 - NO LONGER	NGREDIE ONCENTF PHYSICAL STATE LSE TABLE:	NT RATION: UNIT OF MEASURE USE TABLE II	USE TABLE	CODE	USE TABLE III	ON SITE		USE TABLÉ VI	CAS NO. (IF KNOWN
HAZARDOUS I N HIGHEST CO 1 PURE 2 MIXTURE 1 NO CHANGE 2 NEW 3 CHANGE MADE 1 HO LONGER USED	NGREDIE ONCENTF SHYSIGAL STATE LSE TABLE:	NT RATION: UNIT OF MEASURE USE TABLE II	USE TABLE	CODE   JSE TABLEIII	USE TABLE III	ON SITE 3 DIGIT NO.		USE TABLÉ VI	] [
HAZARDOUS I N HIGHEST CO 1 PURE 2 MIXTURE 1 NO CHANGE 2 NEW 3 CHANGE MADE 1 HO LONGER USED	NGREDIE ONCENTF SHYSIGAL STATE LSE TABLE:	NT RATION: UNIT OF MEASURE USE TABLE II	USE TABLE	CODE   JSE TABLEIII	USE TABLE III	ON SITE 3 DIGIT NO.		USE TABLÉ VI	] [
HAZARDOUS I N HIGHEST CO 1 - PURE 2 - MIXTURE 1 - NO CHANGE 3 - CHANGE MACE 1 - NO LONGER USED  DRAGE LOCATION COMMON NAM	NGREDIE ONCENTF  STATE  STATE  LSE TABLE:  [ ]  NS IREQUIRI  ME/TRADE INGREDIE CNCENTF	NT RATION:  JUNIT OF MEASURE USE TABLE II  [ ]  ED]  ENAME: NT RATION:	CODE USE TABLE !!	JSE TABLEIN	( )	ON SITE 3 DIGIT NO.		USE TABLE VI	] [
HAZARDOUS I N HIGHEST CO 1 PURE 2 MIXTURE 1 NO CHANGE 3 CHANGE MACE 1 NO LONGER USED ORAGE LOCATION COMMON NAM HAZARDOUS I N HIGHEST CO	NGREDIE ONCENTF  STATE  STATE  LSE TABLE:  [ ]  NS (REQUIR)  ME/TRADE INGREDIE C NCENTF  STATE  STATE  ONCENTF	NT RATION:  UNIT OF MEASURE  USE TABLE II  [ ]  ED]  ENAME: NT RATION: MEASURE	CODE USE TABLE !!	JAX, AMT	USE TABLE III	ON SITE 3 DIGIT VO.		USE TABLE VI	UN/NA NO. (IF KNOW)
HAZARDOUS I N HIGHEST CO 1 - PURE 2 - MIXTURE 1 - NO CHANGE 3 - CHANGE MACE 1 - NO LONGER USED DRAGE LOCATION COMMON NAM HAZARDOUS I N HIGHEST CO 1 - PURE 2 - MIXTURE	NGREDIE ONCENTF  STATE  STATE  LSE TABLE:  [ ]  NS (REQUIR)  ME/TRADE INGREDIE C NCENTF  STATE  STATE  ONCENTF	NT RATION:  JUNIT OF MEASURE USE TABLE II  [ ]  ED]  ENAME: NT RATION:	CODE USE TABLE !!	JAX, AMT	USE TABLE III	ON SITE 3 DIGIT VO.	[ ] [ ] [ ] [ ] [ ] [ ]	USE TABLE VI	UN/NA NO. (IF KNOW)
HAZARDOUS I N HIGHEST CO 1 - PURE 2 - MIXTURE 1 - NO CHANGE 3 - CHANGE MACE 1 - NO CHANGE 1 - NO CHANGE WISED DRAGE LOCATION COMMON NAM HAZARDOUS I N HIGHEST CO 1 - PURE 2 - MIXTURE 2 - MIXTURE 3 - CHANGE 3 - CHANGE 3 - CHANGE MACE	NGREDIE ONCENTF  STATE  STATE  LSE TABLE:  [ ]  NS (REQUIR)  ME/TRADE INGREDIE C NCENTF  STATE  STATE  ONCENTF	NT RATION:  UNIT OF MEASURE  USE TABLE II  [ ]  ED]  ENAME: NT RATION: MEASURE	CODE USE TABLE ::  AVG. AMT CODE USE TABLE ::  1	JAX, AMT	USE TABLE III	ON SITE 3 DIGIT VO.	[ ] [ ] [ ] [ ] [ ] [ ]	USE TABLE VI	UN/NA NO. (IF KNOW)
2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED  ORAGE LOCATION  COMMON NAM HAZARDOUS! IN HIGHEST CO 2 - MIXTURE 1 - NO CHANGE 2 - NEW	NGREDIE ONCENTE SHYSICAL STATE SE TABLE:  [ ] NS IREQUIRI  ME/TRADE INGREDIE ONCENTE STATE STATE STATE STATE STATE STATE STATE STATE [ ]	NT RATION:  UNIT OF MEASURE USE TABLE II  [ ]  EDI  NAME: NT RATION: UNIT OF MEASURE USE TABLE II	CODE USE TABLE ::  AVG. AMT CODE USE TABLE ::  1	JAX, AMT JODE JSE TABLEH	USE TABLE III	ON SITE 3 DIGIT VO.	[ ] [ ] [ ] [ ] [ ] [ ]	USE TABLE VI	CAS NO. (IF KNOWN
HAZARDOUS I N HIGHEST CO 1 PURE 2 MIXTURE 1 NO CHANGE 3 CHANGE MACE 1 NO COMMON NAM HAZARDOUS I N HIGHEST CO 2 MIXTURE 2 MIXTURE 2 MIXTURE 2 MIXTURE 3 CHANGE MACE 4 NO CHANGE 2 NEW 3 CHANGE MACE 4 NO CHANGE 1 NO CHANGE 1 NO CHANGE 2 NEW 3 CHANGE MACE 4 NO CHANGE 1 CONGER	NGREDIE ONCENTE SHYSICAL STATE SE TABLE:  [ ] NS IREQUIRI  ME/TRADE INGREDIE ONCENTE STATE STATE STATE STATE STATE STATE STATE STATE [ ]	NT RATION:  UNIT OF MEASURE USE TABLE II  [ ]  EDI  NAME: NT RATION: UNIT OF MEASURE USE TABLE II	CODE USE TABLE ::  AVG. AMT CODE USE TABLE ::  1	JAX, AMT JODE JSE TABLEH	USE TABLE III	ON SITE 3 DIGIT VO.	[ ] [ ] [ ] [ ] [ ] [ ]	USE TABLE VI	UN/NA NO. (IF KNOW)  [  CAS NO. (IF KNOW)

**FORM** COMPANY OSFMB130

### 1994-1995 HAZARDOUS SUBSTANCE EMPLOYER SURVEY **OREGON STATE FIRE MARSHAL**

Account Number

006202

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PLEASE TYPE CHANGES OR ADDITIONS IN THE APPROPRIATE AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA.

SECTION A HAZARDOUS SUBSTANCE PRESENCE Check the correct to	pox to the left.
*Are there hazardous substances present at this site in report  If yes, complete sections B, C and D. If no, complete sections  *Out of Business. (No longer a commercial or industrial establishment of the section of	ions B and C. lishment). Effective date
SECTION B DEMOGRAPHIC DATA Complete, correct or add information in the	ne bracketed area if it is not preprinted.
1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES AND IN	TERMEDIATES-MFG
2. SIC CODE 2: 0000 DEFINITION:	
3. BUSINESS ACTIVITY: CREOSOTE & COAL TAR PITCH TERMI	NAL ]
4. DUNN & BRADSTREET #: 02-773-4359 [	]
5. MANAGER'S NAME: AMOS S KAMERER [	· 1
6. BUSINESS NAME: KOPPERS INDUSTRIES INC 7. DEPT. or DI	V.: TAR PRODUCTS
	S: <b>7540 NW ST HELENS RD</b>
CITY: PORTLAND CITY: POR	RTLAND ]
COUNTY: MULTNOMAH COUNTY: M	IULTNOMAH
STATE: <b>OR</b> ZIP CODE: <b>97210-3663</b> STATE: <b>OR</b>	ZIP CODE: 97210-3663
10. BUSINESS PHONE: <b>503-286-3681</b> 11. NUMBER OF EMPI	LOYEES AT THIS SITE: 11
	ERGENCY CONTACT PHONES:  '503-286-368.NIGHT 503-246-8045    [ ]
14. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU	]
SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the YYES NO 15. EMERGENCY PLAN. IF YES: Location: OFFICE	
YES NO 16. AUTOMATIC FIRE SUPPRESSION SYSTEM PRESE	] NT: i.e., sprinklered, halon system, etc.
SECTION C PERSON COMPLETING FORM: THIS PERSON WILL BE CON	TACTED TO ANSWER ANY QUESTIONS NEEDING CLARIFICATION.
1. PRINT NAME: Amos S. KAMERER	
	OPPERS INDUSTRIES INC
3. DATE SURVEY COMPLETED:	TAR PRODUCTS 7540 NW ST HELENS RD PORTLAND OR 97210-3663

PLEASE TYPE OR PRINT ALL ANSWERS. THANK - YOU!

# 1994 -1995 OREGON STATE FIRE MARSHAL Account Number HAZARDOUS SUBSTANCE EMPLOYER SURVEY

S	EC	TIO	N	D

OSFMB131									
HAZARDOUS I	INGREDIE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					]		
	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
1 PURE . 2 - MIXTURE		USE TABLE II		USE TABLEIII  01		3 DIGIT NO 365	F 1 4	3.1 6.3	0000067-64-1
2 - NEW 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		[ ][ ]	[ ]
4 NO LONGER USED  STORAGE LOCATIO	NS (REQUIRE	D IN	LAB A	T W EN	D OF BI	_DG		; ; ;	UN/NA NO. (IF KNOWN)
r							<u></u>	. 1	1090
		<del></del>							L
COMMON NAI HAZARDOUS IN HIGHEST C	INGREDIE CONCENTE	NT ACET	TYLENE		ANT BED	MINAGED DAVE	[	H/7/80	
1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE !!	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE	YEAR CODE	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 - MIXTURE	3	3	10	10	20	365		2.1	0000074-86-2
2 - NEW 3 - CHANGE MADE 4 - NO LONGER	[ ]	[ ]	[ ]	[ ]	[ 1	[ ]	[][][]	[ ][ ]	[ ]
STORAGE LOCATIO	NS (REQUIR	ED) IN	MAINT	ENANCE	SHOP :	IN REAR			UN/NA NO. (IF KNOWN)
OF BLDG.			ON 2	PORTAB	LE CAR	TS IN FR		<u> </u>	1001
[									[ ]
									<u> </u>
COMMON NAM HAZARDOUS IN HIGHEST C	<b>INGREDIE</b>	NT PYR		R PITC	Н		[ 219 #1 4	COAL TAR PI	<del>T</del> EN
1 - PURE	PHYSICAL STATE USE TABLE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 - MIXTURE	2	2	41	42	50	365	Alb	4.5 0	0065996-93-2
2 - NEW 3 - CHANGE MADE 4 - NO LONGER	[ ]	[ ]	[ ]	[ ]	[51]			[ ][ ]	][ ]
STORAGE LOCATIO	NS (REQUIR	ED) IN	TANK	FARM,	TANK'S	#65 AND			UN/NA NO. (IF KNOWN)
#68.									-l
									3082
[		n							3082
[									3082
COMMON NAI HAZARDOUS				R PITC			[Solidi	CORITAR N	
	INGREDIE CONCENTE	NT PYR	ENE	·		NUMBERGAVE	,                       [·		[ ] 
HAZARDOUS	PHYSICAL STATE USE TABLE	RATION:  UNIT OF  MEASURE  USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	1	STORAGE CODE (USE TABLE IV & V)  R 1 4	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE 1 - NO CHANGE	INGREDIE CONCENTE PHYSICAL STATE	NT PYR RATION: UNIT OF MEASURE	AVG. AMT.	MAX. AMT.	AMT PER	ON SITE	STÖRAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	[ ] v4e1.
HAZARDOUS IN HIGHEST C	INGREDIE CONCENTS PHYSICAL STATE USE TABLE 1	RATION:  UNIT OF  MEASURE  USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	ON SITE 3 DIGIT NO.	STÖRAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)  0065996-93-2
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE 1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER	INGREDIE CONCENTS PHYSICAL STATE USE TABLE  1	RATION: UNIT OF MEASURE USE TABLE II  [ ]	AVG. AMT. CODE USE TABLE III  53	MAX. AMT CODE USE TABLEII  60	AMT. PER YEAR CODE USE TABLE III	ON SITE 3 DIGIT NO. 365	STÖRAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)

### 1994 -1995 OREGON STATE FIRE MARSHAL Account Number

CHEMICAL	HAZARDOUS SUBSTANCE EMPLOYER SURVEY	
CTION D	SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS	006202

COMMON NAM HAZARDOUS I IN HIGHEST C	INGREDIEN	T COAL			VOLATII	LES	[ ]	RE	OSOTE	
1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX, AMT CODE	AMT PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE COL	DE 8 V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 MIXTURE	USE TABLE	USE TABLE ::	USE TABLE III	USE TABLE!!!	USE TABLE III	3 DIGIT NO.	D 1	4	USE TABLE VI	
NO CHANGE	2	2	10	10	20	365	F 1	4	4.5 6.3	NAME OF THE PROPERTY OF THE PR
2 · NEW 3 · CHANGE MADE 4 · NO LONGER	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ]	[ ]	[ ][ ]	[
STORAGE LOCATIO	NS [REQUIRE	D) LAF	IN RI	EAR SAI	MPLE RO	DOM, AND		[ ]		UN/NA NO. (IF KNOWN)
ON ASPHA	LT IN					_				
•									1	3082
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		HAME: OF			,		 r			
COMMON NA! HAZARDOUS					VOLATI	LES				
IN HIGHEST C	ONCENTR	ATION:				·	[		EOSOTE	
1 PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CO (USE TABLE IV		HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 MIXTURE	2	2	40	40	50	365	A 1	5 5	4.5 6.3	-
1 - NO CHANGE 2 - NEW		-						- r 1	, , , ,	
3 - CHANGE MADE		1 , 1	[3/]	[ ]	[41]	l l				l l
USED	NS (REQUIRE	D IN	TANK	FARM,	TANKS	#20, #39	[][]		'	UN/NA NO. (IF KNOWN)
STORAGE LOOKITO				DATI	045 OH		į.		1	Į.
AND #67,	OR P	DSSIBL	YINA	KAIL	CAR ON	TRACK #				
	OR PO	DSSIBL	Y IN A	KAIL	CAR ON	TRACK #			1	3082
AND #67,	OR P					TRACK #				3082
AND #67, 3. [ COMMON NAI HAZARDOUS IN HIGHEST C	ME/TRADE INGREDIE CONCENTR	NAME: D: NT PETI	 IESEL ROLEUM	 #2 DISTI	LLATES	NUMBER DAYS	[ STORAGE CO		HAZARD	
AND #67, 3. [ COMMON NAI HAZARDOUS	ME/TRADE	NAME: D: NT PETI	 IESEL	#2 DISTI	LLATES  AMT PER YEAR CODE		STORAGE CO (USE TABLE IV	DE 8 V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
AND #67, 3. [ COMMON NAI HAZARDOUS IN HIGHEST C	ME/TRADE INGREDIE CONCENTR PHYSICAL STATE	NAME: D: NT PETI	IESEL ROLEUM	#2 DISTI	LLATES  AMT PER YEAR CODE	NUMBER DAYS ON SITE			HAZARD CLASSES USE TABLE VI 3.3 6.4	[ ]
COMMON NAI HAZARDOUS IN HIGHEST COMMON NAI HAZARDOUS IN HIGHEST COMMITTURE	ME/TRADE INGREDIE CONCENTR PHYSICAL STATE USE TABLE I	NAME: D: NT PETI NATION: UNIT OF MEASURE USE TABLE II	IESEL ROLEUM AVG AMT. CODE USE TABLE III	#2 DISTI  MAX. AMT. CODE USE TABLEIII  10	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	E 1	4	3.3 6.4	CAS NO. (IF KNOWN) 0068476-34-6
AND #67, 3.  [  COMMON NAI HAZARDOUS IN HIGHEST C  1 PURE 2 MIXTURE 1 NO CHANGE 2 NEW 3 CHANGE MADE 4 NO LONGER USED	ME/TRADE INGREDIE CONCENTR PHYSICAL STATE USE TABLE I  2 [ ]	NAME: D: NT PETI NATION: UNIT OF MEASURE USE TABLE II 2	AVG AMT CODE USE TABLE III O4	#2 DISTI  MAX AMT CODE USE TABLEHI 10	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO. 365	E 1	4	3.3 6.4	CAS NO. (IF KNOWN)  0068476-34-6  [ ]
COMMON NAI HAZARDOUS IN HIGHEST C  1 PURE 2 MIXTURE  1 NO CHANGE 2 NEW 3 CHANGE MADE 4 NO LONGER USED  STORAGE LOCATIO	ME/TRADE INGREDIE CONCENTR PHYSICAL STATE USE TABLE I  2 [ ]	NAME: D: NT PETI NATION: UNIT OF MEASURE USE TABLE II 2	AVG AMT CODE USE TABLE III O4	#2 DISTI  MAX AMT CODE USE TABLEHI  10  [ ]	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO. 365	E 1	4	3.3 6.4	CAS NO. (IF KNOWN) 0068476-34-6
COMMON NAI HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NOLONGER STORAGE LOCATIO	ME/TRADE INGREDIE CONCENTR PHYSICAL STATE USE TABLE I  2 [ ]	NAME: D: NT PETI NATION: UNIT OF MEASURE USE TABLE II 2	AVG AMT CODE USE TABLE III O4	#2 DISTI  MAX AMT CODE USE TABLEHI  10  [ ]	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO. 365	E 1	4	3.3 6.4	CAS NO. (IF KNOWN)  0068476-34-6  [ ]
COMMON NAI HAZARDOUS IN HIGHEST C  1 PURE 2 MIXTURE  1 NO CHANGE 2 NEW 3 CHANGE MADE 4 NO LONGER STORAGE LOCATIO	ME/TRADE INGREDIE CONCENTR PHYSICAL STATE USE TABLE I  2 [ ]	NAME: D: NT PETI NATION: UNIT OF MEASURE USE TABLE II 2	AVG AMT CODE USE TABLE III O4	#2 DISTI  MAX AMT CODE USE TABLEHI  10  [ ]	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO. 365	E 1	4	3.3 6.4	[ ] CAS NO. (IF KNOWN)  0068476-34-6 [ ] UN/NA NO. (IF KNOWN)
COMMON NAI HAZARDOUS IN HIGHEST C  1 PURE 2 MIXTURE  1 NO CHANGE 2 NEW 3 CHANGE MADE 4 NO LONGER USED  STORAGE LOCATIO	ME/TRADE INGREDIE CONCENTR PHYSICAL STATE USE TABLE I  2 [ ]	NAME: D: NT PETI NATION: UNIT OF MEASURE USE TABLE II 2	AVG AMT CODE USE TABLE III O4	#2 DISTI  MAX AMT CODE USE TABLEHI  10  [ ]	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO. 365	E 1	4	3.3 6.4	[ ] CAS NO. (IF KNOWN)  0068476-34-6 [ ] UN/NA NO. (IF KNOWN)
COMMON NAI HAZARDOUS IN HIGHEST C  1 PURE 2 MIXTURE  1 NO CHANGE 2 NEW 3 CHANGE MADE 4 NO LONGER USED  STORAGE LOCATIO	ME/TRADE INGREDIE CONCENTR PHYSICAL STATE USE TABLE I 2 [ ] ONS (REQUIR) CNTENAI  ME/TRADE INGREDIE	NAME: D: NT PETI NATION: UNIT OF MEASURE USE TABLE II 2 [ ]  ED) IN NCE SHO NCE SHO NAME: GA NT PETI	ASOLIN	#2 DISTI  MAX AMT CODE USE TABLENI  10  [ ]  IC DRU SIDE	AMT PER YEAR CODE USE TABLE III  [ ]  MS JUS	NUMBER DAYS ON SITE 3 DIGIT NO. 365 [ ] T IN FRO	E 1	4	3.3 6.4	[ ] CAS NO. (IF KNOWN)  0068476-34-6 [ ] UN/NA NO. (IF KNOWN)
COMMON NAI HAZARDOUS IN HIGHEST C  1 PURE 1 NO CHANGE 2 NEW 3 CHANGE MADE 4 NO LONGER STORAGE LOCATION NT OF MAI  COMMON NAI HAZARDOUS IN HIGHEST C	ME/TRADE INGREDIE: CONCENTR PHYSICAL STATE USE TABLE I  ONS (REQUIRI INTENAI  ME/TRADE INGREDIE CONCENTR PHYSICAL STATE  ON STATE  PHYSICAL STATE	NAME: D: NT PETI NATION: UNIT OF MEASURE USE TABLE II  2  [ ]  ED) IN NCE SHO  NAME: GA NT PETI NATION: UNIT OF MEASURE UNIT OF MEASURE	AVG AMT. CODE USE TABLE 111 O4 [ ] PLAST OP OUT  ASOLIN ROLEUM	#2 DISTI  MAX. AMT. CODE USE TABLEN  10  [ ]  IC DRU SIDE  E DISTI	AMT PER YEAR CODE USE TABLE III 11 [ ] MS JUS	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] T IN FRO	E 1	[]	USE TABLE VI 3.3 6.4  [ ] [ ]	[ ] CAS NO. (IF KNOWN)  0068476-34-6 [ ] UN/NA NO. (IF KNOWN)
AND #67, 3.  COMMON NAI HAZARDOUS IN HIGHEST CO  1 PURE 1 NO CHANGE 2 NEW 3 CHANGE MADE 4 NO LONGER USED NT OF MAI  COMMON NAI HAZARDOUS IN HIGHEST CO  1 PURE 2 MIXTURE	ME/TRADE INGREDIE CONCENTR PHYSICAL STATE USE TABLE I  2  [ ] MS (REQUIR) INTENAL  ME/TRADE INGREDIE CONCENTR PHYSICAL	NAME: D: NT PETI NATION: UNIT OF MEASURE USE TABLE II  2  [ ]  ED) IN NCE SHO  NAME: GA NT PETI NATION: UNIT OF MEASURE UNIT OF MEASURE	AVG AMT. CODE USE TABLE III O4  [ ] PLAST OP OUT  ASOLIN ROLEUM	#2 DISTI  MAX. AMT. CODE  USE TABLEIII  10  [ ]  IC DRU SIDE  E DISTI	AMT PER YEAR CODE USE TABLE III 11 [ ] MS JUS	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] T IN FRO	E 1	[]	USE TABLE VI  3.3 6.4  [ ] [ ]	[ ] CAS NO. (IF KNOWN)  0068476-34-6 [ ] UN/NA NO. (IF KNOWN)  1993 [ ]
AND #67, 3.  COMMON NAI HAZARDOUS IN HIGHEST CO  1 PURE 1 NO CHANGE 2 NEW 3 CHANGE MADE 4 NOLONGER STORAGE LOCATIO NT OF MAJ  COMMON NAI HAZARDOUS IN HIGHEST CO  1 PURE	ME/TRADE INGREDIE CONCENTR PHYSICAL STATE USE TABLE I  2  [ ]  MS (REQUIR) INTENAI  ME/TRADE INGREDIE CONCENTR PHYSICAL STATE USE TABLE I  2	NAME: D: NT PETI NATION: UNIT OF MEASURE USE TABLE II  2  [ ]  ED) IN NCE SHO  NAME: G. NT PETI NATION: UNIT OF MEASURE USE TABLE II  UNIT OF MEASURE USE TABLE II	AVG AMT. CODE USE TABLE 111  PLAST OP OUT  AVG. AMT. CODE USE TABLE 111	#2 DISTI  MAX. AMT. CODE USE TABLEIII  10  [ ]  IC DRU SIDE   B DISTI  MAX. AMT. CODE USE TABLEIII	AMT PER YEAR CODE USE TABLE III  [ ]  MS JUS  LLATES  AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] T IN FRO  NUMBER DAYS ON SITE 3 DIGIT NO.	E 1	[ ] [ ]	USE TABLE VI  3.3 6.4  [ ] [ ]  HAZARD CLASSES USE TABLE VI	[ ] CAS NO. (IF KNOWN)  0068476-34-6 [ ] UN/NA NO. (IF KNOWN)  1993 [ ]
AND #67, 3.  COMMON NAI HAZARDOUS IN HIGHEST CO  1 PURE 1 NO CHANGE 2 NEW 3 CHANGE MADE 4 NOLONGER STORAGE LOCATIO NT OF MAJ  COMMON NAI HAZARDOUS IN HIGHEST CO 2 MIXTURE 1 NO CHANGE 2 NEW 3 CHANGE MADE 4 NOLONGER USED	ME/TRADE INGREDIE CONCENTR PHYSICAL STATE USE TABLE I  2  [ ]  ME/TRADE INGREDIE CONCENTR PHYSICAL INGREDIE USE TABLE I  2  [ ]	NAME: D: NT PETI NATION: UNIT OF MEASURE  2  [ ]  ED) IN NCE SHO  NAME: G. NT PETI RATION: UNIT OF MEASURE USE TABLE II 2  [ ]	ASOLIN ROLEUM  AVG. AMT. CODE  USE TABLE III  PLAST OP OUT  ASOLIN ROLEUM  AVG. AMT. CODE USE TABLE III  O2  [ ]	#2 DISTI  MAX AMT CODE  USE TABLEHI  10  [ ]  IC DRU SIDE   MAX AMT CODE  USE TABLEHI 02  [ ]	AMT PER YEAR CODE  USE TABLE III  [ ]  MS JUS  LLATES  AMT PER YEAR CODE  USE TABLE III  10  [ ]	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] T IN FRO  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]	E 1  [ ] [ ]  [ ] [ ]  [ STORAGE CO (USE TABLE IV N 1 F 1 F 1 F 1 F 1 F 1 F 1 F 1 F 1 F 1	[ ] [ ]	USE TABLE VI  3.3 6.4  [ ] [ ]  HAZARD CLASSES USE TABLE VI	[ ] CAS NO. (IF KNOWN)  0068476-34-6 [ ] UN/NA NO. (IF KNOWN)  1993 [ ] CAS NO. (IF KNOWN)  0008006-61-9 [ ]
COMMON NAI HAZARDOUS IN HIGHEST C  1 PURE 2 MIXTURE  1 NO CHANGE 2 NEW 3 CHANGE MADE 4 NOLONGER  STORAGE LOCATIO NT OF MAI  COMMON NAI HAZARDOUS IN HIGHEST C  2 MIXTURE  1 NO CHANGE 2 MIXTURE  1 NO CHANGE 2 NEW 3 CHANGE MADE 4 NOLONGER STORAGE LOCATIO STORAGE LOCATIO STORAGE LOCATIO	ME/TRADE INGREDIE CONCENTR PHYSICAL STATE USE TABLE I  2  [ ]  MS (REQUIRI INGREDIE CONCENTR PHYSICAL INGREDIE CONCENTR PHYSICAL USE TABLE I  2  [ ]  MS (REQUIRI INGREDIE USE TABLE I  2  [ ]	NAME: D: NT PETI NATION: UNIT OF MEASURE USE TABLE II 2  [ ]  ED) IN NCE SHO NCE SHO NT PETI RATION: UNIT OF MEASURE USE TABLE II 2  [ ]	ASOLIN ROLEUM  AVG. AMT. CODE USE TABLE III  PLAST OP OUT  ASOLIN ROLEUM  AVG. AMT. CODE USE TABLE III  O2  [ ]	#2 DISTI  MAX AMT CODE USE TABLEHI  10  [ ]  IC DRU SIDE   MAX AMT CODE USE TABLEHI 02  [ ]  TORAGE	AMT PER YEAR CODE USE TABLE III  11  [ ]  MS JUS  LLATES  AMT PER YEAR CODE USE TABLE III  10  [ ]	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] T IN FRO  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] IN MAINT	E 1  [ ] [ ]  [ ] [ ]  STORAGE CO (USE TABLE IV  N 1  F 1  [ ] [ ]	[ ] [ ]	USE TABLE VI  3.3 6.4  [ ] [ ]  HAZARD CLASSES USE TABLE VI	[ ] CAS NO. (IF KNOWN)  0068476-34-6 [ ] UN/NA NO. (IF KNOWN)  1993 [ ]
AND #67, 3.  COMMON NAI HAZARDOUS IN HIGHEST CO  1 PURE 1 NO CHANGE 2 NEW 3 CHANGE MADE 4 NOLONGER STORAGE LOCATIO NT OF MAJ  COMMON NAI HAZARDOUS IN HIGHEST CO 2 MIXTURE 1 NO CHANGE 2 NEW 3 CHANGE MADE 4 NOLONGER USED	ME/TRADE INGREDIE CONCENTR PHYSICAL STATE USE TABLE I  ONS (REQUIRI INTENAI  ME/TRADE INGREDIE CONCENTR PHYSICAL STATE USE TABLE I  ONS (REQUIRI INTENAI   NAME: D: NT PETI NATION: UNIT OF MEASURE USE TABLE II 2  [ ]  ED) IN NCE SHO NCE SHO NT PETI RATION: UNIT OF MEASURE USE TABLE II 2  [ ]	ASOLIN ROLEUM  AVG. AMT. CODE USE TABLE III  PLAST OP OUT  ASOLIN ROLEUM  AVG. AMT. CODE USE TABLE III  O2  [ ]	#2 DISTI  MAX AMT CODE USE TABLEHI  10  [ ]  IC DRU SIDE   MAX AMT CODE USE TABLEHI 02  [ ]  TORAGE	AMT PER YEAR CODE USE TABLE III  11  [ ]  MS JUS  LLATES  AMT PER YEAR CODE USE TABLE III  10  [ ]	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] T IN FRO  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] IN MAINT	E 1  [ ] [ ]  [ ] [ ]  STORAGE CO (USE TABLE IV  N 1  F 1  [ ] [ ]	[ ] [ ]	USE TABLE VI  3.3 6.4  [ ] [ ]  HAZARD CLASSES USE TABLE VI	[ ] CAS NO. (IF KNOWN)  0068476-34-6 [ ] UN/NA NO. (IF KNOWN)  1993 [ ] CAS NO. (IF KNOWN)  0008006-61-9 [ ]	

### 1994 - 1995 OREGON STATE FIRE MARSHAL Account Number

SECTION D SUBSTANCE IN

HAZARDOUS SUBSTANCE EMPLOYER SURVEY
SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202

SECTION	U	30031	ANCE	INFURIVI	A HON -	TYPE OR PH	IINI CHANGES IN IF	IE BRACKETED	AREAS 555-A-
OSFMB131	IEITDANE	NAME:		· 			ŗ		1
COMMON NAM HAZARDOUS I	NGREDIEI		EAVY CI SOTE	REOSOTE	E DIST	LLATE	î.		, -
IN HIGHEST C		ATION:		MAX, AMT	AMT DED	NUMBER DAYS	STORAGE CODE	HAZARD	]
7 1 PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	ON SITE 3 DIGIT NO	(USE TABLE IV & V)  A 1 5	CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 MIXTURE	2	2	30	30	30	365	Q 1 5	4.5 6.5	65996-92-1
1 - NO CHANGE 2 - NEW 3 - CHANGE MACE	   r	l l	1	1 1	1	[ ]			l l
4 NO LONGER USED	<u> </u>	. 1		1	L J				UN/NA NO. (IF KNOWN.
#33 OR PO				FARM, CAR ON		#17 AND			
#33 OR PO	221PF	INA	KAIL 9	CAR ON	IRACK	#3			3082
		***************************************	<del> </del>	····		<del></del>			
COMMON NAM							[		]
HAZARDOUS IN HIGHEST C			IUM				. [.		. ]
1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG, AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 - MIXTURE	USE TABLE	USE TABLE II	USE TABLE III	USE TABLEIN	USE TABLE III	3 DIGIT NO 365	L 2 4	2.2 6.3	007440-59-7
1 - NO CHANGE			,						
3 - CHANGE MADE 4 - NO LONGER			Į J	į į	L J			<u> </u>	Į.
STORAGE LOCATIO	NS (REQUIR	ED) CY	LINDER	MOUNT	ED ON	SOUTH SI			UN/NA NO. (IF KNOWN)
DE OF LAB	ORATO	RY BLD	G OUTS	IDE				1	1046
[								]	[
								]	
COMMON NAI				N		•	[		]
HAZARDOUS IN HIGHEST C			ROGEN				ſ.		
1 PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT CODE	MAX. AMT.	AMT PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
1 2 - MIXTURE	USE TABLE	USE TABLE II	USE TABLE III	USE TABLEIII	USE TABLE III	3 DIGIT NO.	L 2 4	USE TABLE VI	2001777 76 2
1 - NO CHANGE	3	3	10	10	20	365		2.1	0001333-74-0
2 - NEW 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		[ ][ ]	[ ]
4 NO LONGER USED STORAGE LOCATIO	NS (REQUIR	ED) CV	ITNDER	MOUNT	ED ON	SOUTH SI	1 1 1 1 1 1 1	,	UN/NA NO. (IF KNOWN)
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r	•							1	1049
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COMMON NAI	ME/TRADE	NAME: L	IGHT C Osote	REOSOT	E DIST	ILLATE	. [		. ]
COMMON NAI HAZARDOUS IN HIGHEST C	INGREDIE ONCENT	NT CRE	OSOTE		. · 		. [		]
HAZARDOUS IN HIGHEST O	INGREDIE	NT CRE RATION: UNIT OF MEASURE	IGHT COSOTE  AVG. AMT CODE USE TABLE II	MAX. AMT. CODE	AMT PER	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V) A 1 5	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
HAZARDOUS IN HIGHEST C	INGREDIE ONCENTE PHYSICAL STATE	NT CRE RATION: UNIT OF MEASURE	AVG. AMT.	MAX. AMT. CODE	AMT PER	NUMBER DAYS ON SITE	STORAGE CODE	CLASSES	CAS NO. (IF KNOWN) 65996-92-1
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW	INGREDIE CONCENTS PHYSICAL STATE USE TABLE 2	NT CRE RATION:  UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE II	MAX. AMT. CODE	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	A 1 5	USE TABLE VI	
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED	INGREDIE CONCENTS PHYSICAL STATE USE TABLE 2 [ ]	NT CRE RATION: UNIT OF MEASURE USE TABLE II 2	AVG. AMT. CODE USE TABLE II 30	MAX. AMT. CODE I USE TABLEIII 30	AMT. PER YEAR CODE USE TABLE III 30	NUMBER DAYS ON SITE 3 DIGIT NO. 365	A 1 5	USE TABLE VI	65996-92-1
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED  STORAGE LOCATION	INGREDIE CONCENTE PHYSICAL STATE USE TABLE 2 [ ]	NT CRE RATION:  UNIT OF MEASURE USE TABLE II  2  [ ]	AVG. AMT. CODE USE TABLE II 30  [ ]	MAX AMT CODE USE TABLEIII 30 [ ]	AMT. PER YEAR CODE USE TABLE III 30  [ ]	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]	A 1 5 Q 1 5	USE TABLE VI	
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED	INGREDIE CONCENTE PHYSICAL STATE USE TABLE 2 [ ]	NT CRE RATION:  UNIT OF MEASURE USE TABLE II  2  [ ]	AVG. AMT. CODE USE TABLE II 30  [ ]	MAX AMT CODE USE TABLEIII 30 [ ]	AMT. PER YEAR CODE USE TABLE III 30  [ ]	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]	A 1 5 Q 1 5	USE TABLE VI	65996-92-1

### 1994 -1995 OREGON STATE FIRE MARSHAL Account Number

HAZARDOUS SUBSTANCE EMPLOYER SURVEY

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MB131 MMON NAM	ME/TRADE			OLVENT	CREOS	OTE DIST	TILLATÉ			• .
AZARDOUS HIGHEST C			DSOTE				[			
- PURE	PHYSICAL STATE USE TABLE	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE!!!	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE C (USE TABLE		HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOW
3 - MIXTURE	2	2	30	30	30	365	A 1 Q 1	5 5	4.5 6.5	65996-92-1
2 - NEW 3 - CHANGE MADE 4 - NO LONGER	[ ]	[ ]		[ ]	[- ]	[ ]	[][]	[ ]	[ ][ ]	[
AGE LOCATIO	NS (REQUIRE	D IN	TANK F	ARM,	TANK #3	OR POS	[][]	[ ]		UN/NA NO. (IF KNOW
LY IN	A RAII	. CAR	ON TRAC	K #3						3082
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			OTOR OI				[			
ZAHDOUS HIGHEST C			ROLEUM	HYDRO	CARBON		[			
: - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX, AMT, CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE ( (USE TABLE		HAZARD CLASSES	CAS NO. (IF KNOW
2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLEIII	USE TABLE III	3 DIGIT NO. 365	D 1	4	4.5	64742-54-7
NO CHANGE	J 1	ا ا	۱ ۲	ן ז	۱۱	1	ווון	ו ז ו	1 1 .	1
- CHANGE MADE - NO LONGER - USED	1		[ ]	- I	L	L J			[ ] [ .	LINI/NIA NIO
AGE LOCATIO						IN MAINT		[ ]		UN/NA NO. (IF KNO)
NCE SH	IOP, S	OUTHEN	D OF BL	JILDIN	G				·	1270
		*							]	1270
OMMON NAI AZARDOUS HIGHEST C	INGREDIE CONCENTR	NT NAPI ATION:	APHTHAL HTHALEN	1E			[			
- PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX, AMT, CODE USE TABLEIII	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE ( (USE TABLE Q 1	IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOW
2 - MIXTURE	2	2	30	30	30	365	-		4.5 6.3	073665-18-
P - NEW I - CHANGE MADE - NO LONGER		[ ]	[ ]		[ ]	[ ]	[][]	[ ]	[ ][ ]	[-
USED AGE LOCATION	NS IREQUIRE	D) IN	TANK F	ARM,	TANKS #	#34 AND	ווו	1 1 1		UN/NA NO. (IF KNOV
AND	POSSI		A RAIL		•				1	<u>_</u>
_					I KM	JI #3.			<u> </u>	4
	FARM, T	ANKs #					A RA ICA	·	1	1334
V TANK +						SS-Bly IN A	A RA ICA	1	1	1334
NTANK A	ck_#3		34 And				4 RA (CA	<u></u>		1334
V TANK A ON TAA OMMON NA ZARDOUS	CE_#3 ME/TRADE INGREDIE	NAME: O	34 And				A RA ICA	<i></i>		1334
V TANK A ON TAA OMMON NA ZARDOUS	CE_#3 ME/TRADE INGREDIE CONCENTR	NAME: O: NT OXY ATION:	34 And  XYGEN GEN	#-182 	, And pi	35.6Ky in A	[		H47APD	
MMON NA ZARDOUS HIGHEST C	CE_#3 ME/TRADE INGREDIE	NAME: O: NT OXY ATION: UNIT OF MEASURE	34 And  XYGEN GEN  AVG. AMT CODE				A RE ICH		HAZARD CLASSES USE TABLE VI	
MANK A ON ARA DMMON NAI ZARDOUS HIGHEST C 1. PURE 2. MIXTURE	ME/TRADE INGREDIE CONCENTR PHYSICAL STATE	NAME: O: NT OXY ATION: UNIT OF MEASURE	34 And  XYGEN GEN  AVG. AMT CODE	場-/でと MAX. AMT. CODE	AMT. PER	NUMBER DAYS	[			CAS NO. (IF KNOW
DMMON NAI ZARDOUS HIGHEST C 1. PURE 2. MIXTURE 1. NO CHANGE 2. NEW 3. CHANGE MADE	ME/TRADE INGREDIE CONCENTR PHYSICAL STATE USE TABLE  3	NAME: OXY  ATION:  UNIT OF  MEASURE  USE TABLE II	XYGEN GEN  AVG. AMT. CODE USE TABLE III	州-/ たと MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	[		USE TABLE VI	CAS NO. (IF KNOW
DMMON NAI ZARDOUS HIGHEST C : PURE 2 MIXTURE : NO CHANGE 2 NEW 3 CHANGE MADE NO LONGER USED	ME/TRADE INGREDIE CONCENTR PHYSICAL STATE USE TABLE  3 [ ]	NAME: O: NT OXY ATION: UNIT OF MEASURE USE TABLE II 3	XYGEN GEN  AVG. AMT CODE  USE TABLE III  11  [ 04 ]	#-/ 6 2	AMT. PER YEAR CODE USE TABLE III 20 [ // ]	NUMBER DAYS ON SITE 3 DIGIT NO. 365	[		USE TABLE VI	1334 [  CAS NO. (IF KNOW  007782-44-1
DMMON NAI ZARDOUS HIGHEST C 1. PURE 2. MIXTURE 1. NO CHANGE 2. NEW 3. NO LONGER	ME/TRADE INGREDIE CONCENTR PHYSICAL STATE USE TABLET  3 [ ]	NAME: O: NT OXY ATION: UNIT OF MEASURE USE TABLE !! 3 [2]	XYGEN GEN  AVG. AMT. CODE  USE TABLE III  11	#-/ 6 2	AMT. PER YEAR CODE USE TABLE III 20 [ // ]	NUMBER DAYS ON SITE 3 DIGIT NO. 365	[		USE TABLE VI	CAS NO. (IF KNOW 007782-44-
DMMON NAI ZARDOUS HIGHEST C 1. PURE 2. MIXTURE 1. NO CHANGE 2. NEW 3. CHANGE MADE 1. NO LONGER USED AGE LOCATIO	ME/TRADE INGREDIE CONCENTR PHYSICAL STATE USE TABLET  3 [ ]	NAME: O: NT OXY ATION: UNIT OF MEASURE USE TABLE !! 3 [2]	XYGEN GEN  AVG. AMT. CODE USE TABLE III  11  [ 0 4 ]  CYLINDE	#-/ 6 2	AMT. PER YEAR CODE USE TABLE III 20 [ // ]	NUMBER DAYS ON SITE 3 DIGIT NO. 365	[		USE TABLE VI	CAS NO. (IF KNOW 007782-44-

#### 1994 -1995 OREGON STATE FIRE MARSHAL Account Number

HAZARDOUS SUBSTANCE EMPLOYER SURVEY
SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202

SECTION D	SUBSTANCE	INFORMATION	V - TYPE OR PR	INT CHANGES IN TH	HE BRACKETED	AREAS 006202
OSFMB131	NAME:			ſ		
COMMON NAME/TRADE HAZARDOUS INGREDIE		OROETHYLENE OETHYLENE		l ,		4
IN HIGHEST CONCENTE	RATION:		R NUMBER DAYS	STORAGE CODE	i HAZARD	Totalia iliang
PHYSICAL STATE  2 MIXTURE  PHYSICAL STATE USE TABLE I	UNIT OF AVG. AM MEASURE CODE USE TABLE!! USE TABLE	CODE YEAR CO	DE ON SITE	STORAGE CODE (USE TABLE IV & V)	CLASSES USE TABLE V:	CAS NO. (IF KNOWN)
2 MIXTURE 2	2 03	03 03	365		6.3 6.4	000127-18-4
2 NEV. 3 - CHANGE MADE			] [ ]		[ ][ ]	
STORAGE LOCATIONS (REQUIR	ED) IN META	L DRUM OUTSI	IDE W END			UN/NA NO. (IF KNOWN)
OF LAB	IN META	1 DKUN 00151	LDE W END	. , . , . ,		
· · [					. ]	1897
COMMON NAME/TRADE	NAME: PETROL	EUM PROCESS	OIL, CALO	RIA HT[		]
HAZARDOUS INGREDIE	NT PETROOLE	UM DISTILLAT	TES	<u>r</u>		•
IN HIGHEST CONCENTS PHYSICAL STATE	UNIT OF AVG. AM MEASURE CODE	IT. MAX. AMT. AMT. PE	ER NUMBER DAYS	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 - MIXTURE USE TABLE	USE TABLE II USE TABL	E III USE TABLEIII USE TABL	LE III 3 DIGIT NO.	A 1 5	USE TABLE VI	
1 - NO CHANGE 2 - NEW	2 20	, 20 20	305		7.5	
3 - CHANGE MADE 4 - NO LONGER USED		J L J L	J. L J			] [
STORAGE LOCATIONS (REQUIR		E GROUND EX	PANSION TA			UN/NA NO. (IF KNOWN)
NK NEXT TO TAN	K #65					
	<del> </del>	• .	·			] [ ]
COMMON NAME/TRADE HAZARDOUS INGREDIE	NAME: PRIMIN	IG AND REFACT	TORY OIL	L		
IN HIGHEST CONCENTE	RATION:	•	~=	[		
PHYSICAL STATE USE TABLE	UNIT OF AVG. AM MEASURE CODE I USE TABLE II USE TABL		ER NUMBER DAYS ODE ON SITE LE III 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 - MIXTURE 2	2 20	20 20	0 365		4.5 6.5	65996-92-1
3 2 · NEW 3 · CHANGE MADE [ ]		] [ ] [	] [ ]			] [ 1
4 NO LONGER USED  STORAGE LOCATIONS (REQUIR	FD) TAL TANK	CEARM TANK	#10			UN/NA NO. (IF KNOWN)
STANDAR PARKLINGS INCHOIN	ED IN TANK	( FARM, TANK	477			
I IN TANK fan	an tank #19	AND IN DRUMS	behlad Man	Lana near Chain		3082
THE THE	WY MINE THE	IN C IN VENTES	VENING MAIN	THINKIE MOD		] L J.
COMMON NAME/TRADE	NAME: PROPAN	 VE		[		
HAZARDOUS INGREDIE	NT PROPANE	<del></del> .		, L		
IN HIGHEST CONCENT	UNIT OF   AVG. AN	IT. MAX. AMT. AMT. P	ER NUMBER DAYS	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 USE TABLE		E III USE TABLEIII USE TAB	LE III 3 DIGIT NO.	L 2 6	USE TABLE VI	
1 NO CHANGE	2 04	04 1	0 365		2.1 6.3	000074-98-6
3 - CHANGE MADE		] [ ] [	] [ ]			] [ ]
STORAGE LOCATIONS (REQUIR	EDI OUTSIDE	IN THE REA	R OF THE M			UN/NA NO. (IF KNOWN)
AINTENANCE BUI A, AND IN CANN		FORK LIFTS II	N SAME ARE Ding Stati		!	1075
C) WIND THE CHUN	TO CAMICT	INDUK TO LUA!	DTMA SIWIT	UIT.		I TOID
ļ	·					] [ ]

#### 1994 -1995 OREGON STATE FIRE MARSHAL Account Number

HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS

S	006202

MB 131 MMON NAME ZARDOUS IN HIGHEST CO	IGREDIENT	UD <sup>:3M</sup> /		REFI	NED		[		
HIGHEST CO		WUIN							
· · PURE			IOLINE				. [	•	•
2 - MIXTURE	STATE N	UNIT OF MEASURE	AVG. AMT. CODE	MAX AMT CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARO CLASSES	CAS NO. (IF KNOW
- NO CHANGE	USE TABLE I US	Z TABLE II	USE TABLE III U	SE TABLEIII  02	USE TABLE III	3 DIGIT NO. 365	F 1 4	8.0	00091-22-5
- NEW - CHANGE MADE - NO LONGER USED	[ ]	[ ]		[ ]	[ ]	[ ]			[
AGE LOCATION	S (REQUIRED)	IN	REAR OF	LAB	IN SAN	IPLE ROO	[][][]		UN/NA NO. (IF KNO
						į		<del></del>	1760
plane (A. L.									[
<u>·</u>							· ·	·	<u> </u>
	NGREDIENT	HYDR	FINED T			•	[		
1 PURE	PHYSICAL	UNIT OF MEASURE	AVG. AMT. CODE	MAX, AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARO CLASSES	CAS NO. (IF KNOW
2 - MIXTURE		SE TABLE II		JSE TABLEIII	USE TABLE III	3 DIGIT NO 365	Q 1 5	USE TABLE VI	0065996-93
- NO CHANGE - NEW	-	<b>-</b>	30	, ,	_	303	A 1 5	<b>4.</b> 4	6005370-73
· CHANGE MADE · NO LONGER	[ ]	[ ]	l l	<u> </u>	[40]	L J			l l
USED AGE LOCATION	IS (REQUIRED)	TAN	K CARS	ON RA	AIL TRA	ACK #3 A			UN/NA NO. (IF KNO
N TANK	CARS C	N ナル	4ck #3	OR \$	<del></del>			]	3082
MMON NAM ZARDOUS II HIGHEST CO	NGREDIENT	SOD	ODIUM HYDI	YDROXI ROXIDE	IDE E		]		
1 - PURE		UNIT OF MEASURE	CODE	MAX, AMT, CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOV
2 - MIXTURE • NO CHANGE	1	SE TABLE II	10	10	USE TABLE III	3 DIGIT NO. <b>365</b>	I 1 4	8.0 6.3	0001310-73
- NEW - CHANGE MADE - NO LONGER		[ ]	[ ]	[ ]	[ ]	[ ]			ſ
	10 (DC01(1DCD)								'   •
USED	12 (HEGNIKEN)	IN	BOILER	ROOM	E END			•	UN/NA NO. (IF KNO
USED	IS (HEQUINED)	IN	BOILER	ROOM	E END		[ ] [ ] [ ]	,	
USED	IS (HEQUINED)	IN	BOILER	ROOM	E END			1	UN/NA NO. (IF KNO
	IS (HEQUINED)	IN	BOILER	ROOM	E END		[][][]	1	
AGE LOCATION	IE/TRADE NA NGREDIENT ONCENTRAT	AME: SOD:	DDIUM SILI	ULFITE	 E				1823
MMON NAM ZARDOUS II	IE/TRADE N. NGREDIENT DNCENTRAT PHYSICAL STATE	AME: SOD:	DDIUM SUL	ULFITE FITE  MAX. AMT CODE	AMT. PER	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES LISE TARLE VI	1823
MMON NAM ZARDOUS II HIGHEST CO	IE/TRADE N. NGREDIENT DNCENTRAT PHYSICAL STATE	AME: SOD:	DDIUM SUL	ULFITE	 E	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	1823
DIMMON NAM ZARDOUS II HIGHEST CO 1. PURE 2. MIXTURE 1. NO CHANGE 2. NEW 1. CHANGE MADE	IE/TRADE N. NGREDIENT DNCENTRAT PHYSICAL STATE USE TABLE   U	AME: SO SOD: FION: MEASURE SE TABLE II	AVG. AMT. CODE	ULFITE FITE  MAX. AMT CODE USE TABLEII	AMT. PER YEAR CODE USE TABLE III	3 DIGIT NO.	[ ] [ ] [ ]  STORAGE CODE (USE TABLE IN & V)	USE TABLE VI	UN/NA NO. (IF KNO)  1823 [  CAS NO. (IF KNO)  0007757-83
DIMMON NAM ZARDOUS II HIGHEST CO 1 PURE 2 MIXTURE 1 NO CHANGE 2 NEW 1 CHANGE MADE NO LONGER USED	IE/TRADE NANGREDIENT DNCENTRAT PHYSICAL STATE USE TABLE   U  [ ]	AME: SO SOD: FION: UNIT OF MEASURE SE TABLE II 1	AVG. AMT. CODE	MAX AMT CODE ISE TABLEIN	AMT PER YEAR CODE USE TABLE III  11	3 DIGIT NO.		USE TABLE VI	1823
DIMMON NAM ZARDOUS II HIGHEST CO 1. PURE 2. MIXTURE 1. NO CHANGE 2. NEW 1. CHANGE MADE 1. NO LONGER	IE/TRADE NANGREDIENT DNCENTRAT PHYSICAL STATE USE TABLE   U  [ ]	AME: SO SOD: FION: UNIT OF MEASURE SE TABLE II 1	AVG. AMT CODE USE TABLE III U	MAX AMT CODE ISE TABLEIN	AMT PER YEAR CODE USE TABLE III  11	3 DIGIT NO.	[ ] [ ] [ ]  [ STORAGE CODE (USE TABLE IV & V)	USE TABLE VI	1823 [ CAS NO. (IF KNOV 0007757-83

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SECTIO	ND	SUBS							D AREAS 006202
OSFMB131 COMMON NA	ME/TRADE	E NAME: -	TAR REFI	INED			[		٠.
HAZARDOUS	INGREDIE	NT PET	TROLEUM		CARBONS	3	r		
IN HIGHEST C	PHYSICAL	LIMIT OF	AVG AMT	MAX AMT	AMT PER	NUMBER DAYS	STORAGE CODE	HAZARD	: CAS NO. (IF KNOWN)
2 1 MINTURE	USE TABLE	MEASURE I USE TABLE	CODE USE TABLE III	USE TABLEH	I USE TABLE III	ON SITE 3 DIGIT NO	D 1 5	CLASSES USE TABLE V:	
	2	2	20	20	21	365	:	4.5 0	0065996-93-2
3 - CHANGE MADE 4 - NO LONGER USEC	[ ]	[ ]	[ ]	[ ]	[ ]			[ ][	] [ ]
STORAGE LOCATIO	ONS (REQUIR	ED) OI	N ASPHAI	T AT	REAR OF	MAINTE	[][][]	i	UN/NA NO. (IF KNOWN)
NANCE SHO	OP AND	NORTI	H OF TRA	ACT #5	LOADII	NG STATI			3082 ] [ ]
	 ME/TDADE	 = NAME: 3	VVI ENE						<u> </u>
HAZARDOUS IN HIGHEST (	INGREDIE	ENT XY					l,		
- PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG AMT.	MAX. AMT	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 - MIXTURE	USE TABLE		USE TABLE III		USE TABLE III	3 DIGIT NO. 365	D 1 4 N 1 4	USE TABLE VI 3.3 6.3	001330-20-7
2 - NEV. 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]		[][][]	[ ][	ן [ ]
4 - NO LONGER USED	ONS (REQUIR	IED) T	N METAL	DRUM	OUTSTRI	E M END			UN/NA NO. (IF KNOWIM
			TIC BOT			E W END		<u>i</u>	
r			•						1307
<u> </u>	· · · · · · · · · · · · · · · · · · ·	<del></del>							]
									<del></del>
COMMON NAI HAZARDOUS IN HIGHEST (	INGREDIE	ENT		•			Ĺ		•
IN HIGHEST C	PHYSICAL STATE	UNIT OF MEASURE	AVG AMT	MAX: AMT. CODE	AMT PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 - MIXTURE	USE TABLE		I USE TABLE III			3 DIGIT NO.	TOSE TABLETV 6 V?	USE TABLE VI	
1 - NO CHANGE			:						
2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED		[ ]	[ ]	[ ]	[ ]	[ ]		[ ][	] [ ]
STORAGE LOCATIO	NS (REQUIR	(ED)							UN/NA NO. (IF KNOWN)
	•								
ſ						•			ון
<u> </u>									j <u> </u>
COMMON NAI	ME/TRADE	E NAME:			٠		. [		1
HAZARDOUS IN HIGHEST C							1		,
· PURE	PHYSICAL STATE	UNIT OF MEASURE		MAX AMT CODE	AMT, PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 - MIXTURE	USE TABLE		USE TABLE III			3 DIGIT NO.		USE TABLE VI	
2 - NEV. 3 - CHANGE MADE		[ ]	[ ]	[ ]		[ ]		][]	] [
4 - NO LONGER USED	L	4		L <u> </u>	<u> </u>		]		
STORAGE LOCATIO	NS (REQUIP	ED)					Lititi		UN/NA NO. (IF KNOWN)
STORAGE LOCATIO	NS (REQUIR	ED)					[][][]		UN/NA NO. (IF KNOWN)



July 10, 1995

DEPARTMENT

STATE POLICE

OFFICE OF STATE FIRE MARSHAL

006202 KOPPERS INDUSTRIES INC 7540 NW ST HELENS RD PORTLAND, OR 97210-3663

SUBJECT:

Reported Chemical Maximum Amount

SITE ADDRESS: 7540 NW ST HELENS RD, PORTLAND OR

In reviewing your file we found that you reported the above site as having the following chemical in excess of 999,999 pounds, gallons and/or cubic feet during the 1994-95 reporting period. Using the enclosed chart, please verify that this information is correct or write the correct quantity code on the line to the right of the appropriate chemical. The purpose of this inquiry is to ensure that overbilling, due to reporting errors, does not occur during the 1995 hazardous substance possession fee billing

Chemical	<u>Code</u>	Quantity	Code Change
COAL TAR PITCH	60	10,000,000 - 24,999,999	
The above chemical information	n is correct.		
The above chemical information	on is NOT cor	rect. (Make change in Code	Change column above.)
Signature	A. S. Kam	eren Plan Me Title	wagen

Please sign and return this letter to the Survey Section of the Office of State Fire Marshal by July 24, 1995. Please direct your questions to the Survey Information Hotline at (503) 378-6835.

If we do not receive a response to this inquiry we will assume the above information is correct.

4760 Portland Rd. NE Salem, OR 97305-1760 (503) 378-3473

#### REPORTING QUANTITIES (AMOUNTS) AND CODES

CODE	FROM	TO
00	0	4
01	5	9
02	10	19-
03	20	49
04	50	199
10	200	499
11	500	999
20	1,000	4,999
21	5,000	9,999
30	10,000	49,999
31	50,000	99,999
40	100,000	249,999
41	250,000	499,999
42	500,000	749,999
43	750,000	999,999
50	1,000,000	2,499,999
51	2,500,000	4,999,999
52	5,000,000	7,499,999
53	7,500,000	9,999,999
60	10,000,000	24,999,999
61	25,000,000	49,999,999
70	50,000,000	74,999,999
71	75,000,000	99,999,999
80	100,000,000	249,999,999
81	250,000,000	499,999,999
90	500,000,000	749,999,999
91	750,000,000	999,999,999
99	1 BILLION	HIGHER THAN I BILLION

# RECEIVED

JUL 1 1 1995

KOPPERS INDS., INC. PORTLAND, OR FORM COMPANY OSFMB130

# 1995-1996 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Account Number 006202

202 H

PLEASE TYPE CHANGES OR ADDITIONS IN THE APPROPRIATE AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA.

SECTION A HAZARDOUS SUBSTANCE PRESENCE Check the corre	ect box to the left.
X YES NO Are there hazardous substances present at this site in repo	·
YES X NO Are there Extremely Hazardous Substances (EHS) at this s	ite that meet the threshold planning quantities?
SECTION B DEMOGRAPHIC DATA Complete, correct or add information in	n the bracketed area if it is not preprinted.
1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES AND	INTERMEDIATES-MFG
2. SIC CODE 2: 0000 DEFINITION:	
3. BUSINESS ACTIVITY: CREOSOTE & COAL TAR PITCH TER	MINAL ]
4. DUNN & BRADSTREET #: 02-773-4359 [	1
5. MANAGER'S NAME: AMOS S KAMERER [	. ]
6. BUSINESS NAME: KOPPERS INDUSTRIES INC 7. DEPT. or	DIV. TAR PRODUCTS
] [	1
8. <u>Site</u> address: <b>7540 NW ST HELENS RD</b> 9. <u>Mailing</u> addr	ESS: 7540 NW ST HELENS RD
CITY: PORTLAND CITY: F	ORTLAND ]
[ ] [ STATE: OR ZIP CODE: 97210-3663 STATE: [ ] [	MULTNOMAH  OR ZIP CODE: 97210-3663  [ ]  IPLOYEES AT THIS SITE: 11
	MERGENCY CONTACT PHONES: AY 503-286-368 NIGHT 503-246-8045
14. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAL	
SPECIAL FIRE DEPARTMENT INFORMATION This section is for information to	he fire service needs to know in case of an emergency.
15. X YES NO EMERGENCY PLAN. IF YES: Location:	]
16. ☐ YES ☑ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRES  17. ☑ YES ☐ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLAC  18. ☐ YES ☑ NO ARE OTHER TYPES OF PLACARDS USED?	· · · · · · · · · · · · · · · · · · ·
SECTION C. PERSON COMPLETING FORM: THIS PERSON WILL BE C	ONTACTED TO ANSWER ANY QUESTIONS NEEDING CLARIFICATION.
1. PRINT NAME: Amos S. Kamerer	
2. SIGNATURE (REQUIRED)	KOPPERS INDUSTRIES INC
3. DATE SURVEY COMPLETED: 2/1/96	TAR PRODUCTS 7540 NW ST HELENS RD
CC: W.E.S. + J.E.M.	PORTLAND OR 97210-3663

### 1995 -1996 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Account Number

SECTION D

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OSFMB131 COMMON NAM	AE/TDADE	NAME: a.	.=				r		
HAZARDOUS					•		i.		
IN HIGHEST C	ONCENTR PHYSICAL	ATION:	AVG. AMT.	MAY AMT	AMT DED	NUMBER DAYS	STORAGE CODE	HAZARD	
1 - PURE	STATE	MEASURE USE TABLE II	USE TABLE III	MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	ON SITE 3 DIGIT NO.	(USE TABLE IV & V)  F 1 4	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 - MIXTURE	2	2	01	01	01	365		3.1 6.3	0000067-64-1
2 · NEW 3 · CHANGE MADE		[ ]	[ ]	[ ]	[ ]	[ ]		[.][.]	]
4 NO LONGER REPORTABLE STORAGE LOCATIO	NE AT CITE	TN	LAB A	T W EN	D OF B	LDG			UN/NA NO. (IF KNOWN)
STORAGE LOCATIO	NJ AT SITE	IN	LAB A	I W EN	D OF B	LDG	[ ],[ ] [ ]		
r ·								1	1090
									l I
COMMON NAM HAZARDOUS				NE			Ł		-
IN HIGHEST C	ONCENTR	ATION:					[		·
1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 - MIXTURE	3	3	10	10	20	365		2.1	0000074-86-2
1 - NO CHANGE 2 - NEW 3 - CHANGE MADE	1	[ ]	r 1	1 1		[ ]	וווווו	[.][.]	[ · ]
4 - NO LONGER REPORTABLE									UN/NA NO. (IF KNOWN)
OF BLDG.		IN INDERS			SHOP : Le car				
ONT OF SH	OP IN	SIDE						,	1001
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1								i	
- <del></del>									
COMMON NAM HAZARDOUS				R PITC	н		[	<u>-</u> 1	<u></u> .
COMMON NAI HAZARDOUS IN HIGHEST C	INGREDIE ONCENTR	NT PYRI ATION:	ENE				[		]
HAZARDOUS IN HIGHEST C	INGREDIE	ATION:  Unit OF MEASURE		MAX. AMT. CODE	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
HAZARDOUS IN HIGHEST C	ONCENTR PHYSICAL STATE	ATION:  Unit OF MEASURE	AVG. AMT.	MAX. AMT. CODE	AMT. PER YEAR CODE	ON SITE		HAZARD CLASSES USE TABLE VI 4.5 0	CAS NO. (IF KNOWN) 0065996-93-2
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW	ONCENTR PHYSICAL STATE USE TABLE I 2	ATION:  UNIT OF  MEASURE  USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	ON SITE 3 DIGIT NO.		USE TABLE VI	
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE 1 - NO CHANGE	ONCENTR PHYSICAL STATE USE TABLE I 2	NT PYRIATION: UNIT OF MEASURE USE TABLE II 2	AVG. AMT. CODE USE TABLE III 41	MAX. AMT. CODE USE TABLEIII 42	AMT. PER YEAR CODE USE TABLE III 50	ON SITE 3 DIGIT NO. 365		USE TABLE VI	0065996-93-2
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE  STORAGE LOCATIO	ONCENTR PHYSICAL STATE USE TABLE I 2	NT PYRIATION: UNIT OF MEASURE USE TABLE II 2	AVG. AMT. CODE USE TABLE III 41	MAX. AMT. CODE USE TABLEIII 42	AMT. PER YEAR CODE USE TABLE III 50	ON SITE 3 DIGIT NO.		USE TABLE VI	
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### 1995 -1996 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

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2 - MIXTURE	2	2	40	40	50	365	Q 1 5	4.5 6.3	
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3 - CHANGE MADE					[41]	[ ]		[.][.]	[ ]
4-NO LONGER REPORTABLE STORAGE LOCATIO	NS AT SITE	IN	TANK F	ARM,	TANKS #	‡20 <b>,</b> #39			UN/NA NO. (IF KNOWN)
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HAZARDOUS IN HIGHEST (	INGREDIEN CONCENTRA PHYSICAL STATE	T PETE TION: UNIT OF MEASURE	AVG. AMT.	MAX. AMT.	AMT. PER YEAR CODE	ON SITE	STORAGE CODE (LEE TABLE IV & V)	CLASSES	CAS NO. (IF KNOWN) 0068476-34-6
HAZARDOUS IN HIGHEST O	INGREDIEN CONCENTRA PHYSICAL STATE USE TABLE I U	T PET F TION: UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III 11	ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	CLASSES USE TABLE VI	
HAZARDOUS IN HIGHEST (  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER	INGREDIEN CONCENTRA PHYSICAL STATE USE TABLE I U	T PETF TION: UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	ON SITE 3 DIGIT NO.	STORAGE CODE (LEE TABLE IV & V)	CLASSES USE TABLE VI	
HAZARDOUS IN HIGHEST OF THE PURE  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER PEOPOTRIABLE STORAGE LOCATIO	INGREDIEN CONCENTRA PHYSICAL STATE USE TABLE   U 2 [ ] DNS AT SITE	T PETE TION: UNIT OF MEASURE USE TABLE !! 2  [ ]	AVG. AMT. CODE USE TABLE III 04  [ ] PLASTI	MAX. AMT. CODE USE TABLEIII 10  [ ]	AMT. PER YEAR CODE USE TABLE III 11	ON SITE 3 DIGIT NO.	STORAGE CODE (LESE TABLE IV & V)	CLASSES USE TABLE VI	
HAZARDOUS IN HIGHEST OF THE PURE  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER PEOPOTRIABLE STORAGE LOCATIO	INGREDIEN CONCENTRA PHYSICAL STATE USE TABLE I 2 [ ]	T PETE TION: UNIT OF MEASURE USE TABLE !! 2  [ ]	AVG. AMT. CODE USE TABLE III 04  [ ] PLASTI	MAX. AMT. CODE USE TABLEIII 10  [ ]	AMT. PER YEAR CODE USE TABLE III 11	ON SITE 3 DIGIT NO. <b>365</b>	STORAGE CODE (USE TABLE IV & V)	CLASSES USE TABLE VI	0068476-34-6 [ ] UN/NA NO. (IF KNOWN)
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HAZARDOUS IN HIGHEST OF THE PURE  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER PEOPOTRIABLE STORAGE LOCATIO	INGREDIEN CONCENTRA PHYSICAL STATE USE TABLE   U 2 [ ] DNS AT SITE	T PETE TION: UNIT OF MEASURE USE TABLE !! 2  [ ]	AVG. AMT. CODE USE TABLE III 04  [ ] PLASTI	MAX. AMT. CODE USE TABLEIII 10  [ ]	AMT. PER YEAR CODE USE TABLE III 11	ON SITE 3 DIGIT NO. <b>365</b>	STORAGE CODE (USE TABLE IV & V)	CLASSES USE TABLE VI	0068476-34-6 [ ] UN/NA NO. (IF KNOWN)
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HAZARDOUS IN HIGHEST OF THE PURE  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER PEPORTABLE STORAGE LOCATION NT OF MADE  COMMON NA	INGREDIEN CONCENTRA PHYSICAL STATE USE TABLE   2 INTENAN ME/TRADE N	T PETE TION: UNIT OF MEASURE USE TABLE II 2 IN CE SHO	AVG AMT. CODE USE TABLE III 04  [ ] PLASTI DP OUTS	MAX. AMT. CODE USE TABLEIII 10  [ ] C DRUI IDE	AMT PER YEAR CODE USE TABLE III 11 [ 20] MS JUST	ON SITE 3 DIGIT NO. <b>365</b>	STORAGE CODE (LESE TABLE IV & V)	CLASSES USE TABLE VI	0068476-34-6 [ ] UN/NA NO. (IF KNOWN)
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HAZARDOUS IN HIGHEST (  1 - PURE 2 - MIXTURE  1 - NO CHANGE 3 - CHANGE MADE 4 - NO LONGER REPORTABLE STORAGE LOCATIO NT OF MAD  [  COMMON NA HAZARDOUS IN HIGHEST (  2 - MIXTURE  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW	INGREDIEN CONCENTRA PHYSICAL STATE USE TABLE I 2  ME/TRADE N INGREDIEN CONCENTRA PHYSICAL STATE USE TABLE I 2  ME/TRADE N INGREDIEN CONCENTRA PHYSICAL STATE USE TABLE I 2	IN CE SHO	AVG AMT. CODE USE TABLE III O4  [ ] PLASTI DP OUTS  ASOLINE ROLEUM  AVG AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII 10  [ ] C DRUI IDE  MAX. AMT. CODE USE TABLEIII	AMT PER YEAR CODE USE TABLE III 11  [ 20] MS JUST  LLATES  AMT PER YEAR CODE USE TABLE III 10	ON SITE 3 DIGIT NO. 365  [ ] T IN FRO  NUMBER DAYS ON SITE 3 DIGIT NO.	(LSE TABLE IV & V)	CLASSES USE TABLE VI 3.3 6.4  [ . ] [ . ]  HAZARD CLASSES USE TABLE VI 3.1 6.3	0068476-34-6 [
HAZARDOUS IN HIGHEST (  1 - PURE 2 - MIXTURE  1 - NO CHANGE 3 - CHANGE MADE 4 - NO LONGER REPORTABLE STORAGE LOCATION NT OF MADE  COMMON NA HAZARDOUS IN HIGHEST (  1 - PURE 2 - MIXTURE  1 - NO CHANGE 3 - CHANGE MADE	INGREDIEN CONCENTRA PHYSICAL STATE USE TABLE I 2  ME/TRADE N INGREDIEN CONCENTRA PHYSICAL STATE USE TABLE I 2  ME/TRADE N INGREDIEN CONCENTRA PHYSICAL STATE USE TABLE I 2	IN CE SHO	AVG AMT. CODE USE TABLE III O4  [ ] PLASTI DP OUTS  ASOLINE ROLEUM  AVG AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII 10  [ ] C DRUI IDE  MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III 11 [ 20] MS JUSTALE AMT. PER YEAR CODE USE TABLE III	ON SITE 3 DIGIT NO. 365  [ ] T IN FRO  NUMBER DAYS ON SITE 3 DIGIT NO.	(LSE TABLE IV & V)	CLASSES USE TABLE VI 3.3 6.4  [ . ] [ . ]  HAZARD CLASSES USE TABLE VI	0068476-34-6 [
HAZARDOUS IN HIGHEST (  1 - PURE 2 - MIXTURE  1 - NO CHANGE 3 - CHANGE MADE 4 - NO LONGER REPORTABLE STORAGE LOCATIC NT OF MAD  COMMON NA HAZARDOUS IN HIGHEST (  1 - PURE 2 - MIXTURE  1 - NO CHANGE 1 - NO LONGER 4 - NO LONGER 5 - NO LONGER	INGREDIEN CONCENTRA PHYSICAL STATE USE TABLE   USE TAB	T PETE TION:  UNIT OF MEASURE USE TABLE!!  2  [ ]  IN CE SHO  JAME: GA T PETE TION:  UNIT OF MEASURE USE TABLE!! 2  [ ]  IN IN IN IN IN IN IN IN IN IN IN IN IN	AVG AMT. CODE USE TABLE III O4  [ ] PLASTI PPOUTS  ASOLINE ROLEUM  AVG AMT. CODE USE TABLE III O2  [ ] OIL ST	MAX. AMT. CODE USE TABLEIII 10  [ ] C DRUI IDE  DISTI  MAX. AMT. CODE USE TABLEIII 02  [ ] ORAGE	AMT PER YEAR CODE USE TABLE III 11  [ 20] MS JUST  LLATES  AMT PER YEAR CODE USE TABLE III 10  [ 04 ]  ROOM :	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] T IN FRO  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] IN MAINT	(LSE TABLE IV & V)	CLASSES USE TABLE VI 3.3 6.4  [ . ] [ . ]  HAZARD CLASSES USE TABLE VI 3.1 6.3	0068476-34-6 [
HAZARDOUS IN HIGHEST (  1 - PURE 2 - MIXTURE  1 - NO CHANGE 3 - CHANGE MADE 4 - NO LONGER REPORTABLE STORAGE LOCATIO NT OF MAD  COMMON NA HAZARDOUS IN HIGHEST (  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE STORAGE LOCATIO ENANCE SH	INGREDIEN CONCENTRA PHYSICAL STATE USE TABLE   USE TAB	T PETE TION:  UNIT OF MEASURE USE TABLE!!  2  [ ]  IN CE SHO  JAME: GA T PETE TION:  UNIT OF MEASURE USE TABLE!! 2  [ ]  IN IN IN IN IN IN IN IN IN IN IN IN IN	AVG AMT. CODE USE TABLE III O4  [ ] PLASTI PPOUTS  ASOLINE ROLEUM  AVG AMT. CODE USE TABLE III O2  [ ]	MAX. AMT. CODE USE TABLEIII 10  [ ] C DRUI IDE  DISTI  MAX. AMT. CODE USE TABLEIII 02  [ ] ORAGE	AMT PER YEAR CODE USE TABLE III 11  [ 20] MS JUST  LLATES  AMT PER YEAR CODE USE TABLE III 10  [ 04 ]  ROOM :	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] T IN FRO  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] IN MAINT	(LSE TABLE IV & V)	CLASSES USE TABLE VI 3.3 6.4  [ . ] [ . ]  HAZARD CLASSES USE TABLE VI 3.1 6.3	0068476-34-6 [
HAZARDOUS IN HIGHEST (  1 - PURE 2 - MIXTURE  1 - NO CHANGE 3 - CHANGE MADE 4 - NO LONGER REPORTABLE STORAGE LOCATIC NT OF MAD  COMMON NA HAZARDOUS IN HIGHEST (  1 - PURE 2 - MIXTURE  1 - NO CHANGE 1 - NO LONGER 4 - NO LONGER 5 - NO LONGER	INGREDIEN CONCENTRA PHYSICAL STATE USE TABLE   USE TAB	T PETE TION:  UNIT OF MEASURE USE TABLE!!  2  [ ]  IN CE SHO  JAME: GA T PETE TION:  UNIT OF MEASURE USE TABLE!! 2  [ ]  IN IN IN IN IN IN IN IN IN IN IN IN IN	AVG AMT. CODE USE TABLE III O4  [ ] PLASTI PPOUTS  ASOLINE ROLEUM  AVG AMT. CODE USE TABLE III O2  [ ] OIL ST	MAX. AMT. CODE USE TABLEIII 10  [ ] C DRUI IDE  DISTI  MAX. AMT. CODE USE TABLEIII 02  [ ] ORAGE	AMT PER YEAR CODE USE TABLE III 11  [ 20] MS JUST  LLATES  AMT PER YEAR CODE USE TABLE III 10  [ 04 ]  ROOM :	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] T IN FRO  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] IN MAINT	(LSE TABLE IV & V)	CLASSES USE TABLE VI 3.3 6.4  [ . ] [ . ]  HAZARD CLASSES USE TABLE VI 3.1 6.3	0068476-34-6 [
HAZARDOUS IN HIGHEST (  1 - PURE 2 - MIXTURE  1 - NO CHANGE 3 - CHANGE MADE 4 - NO LONGER REPORTABLE  COMMON NA HAZARDOUS IN HIGHEST (  1 - PURE 2 - MIXTURE  1 - PURE 2 - MIXTURE  1 - NO CHANGE 3 - CHANGE MADE 4 - NO LONGER REPORTABLE  STORAGE LOCATIC ENANCE SH	INGREDIEN CONCENTRA PHYSICAL STATE USE TABLE   USE TAB	T PETE TION:  UNIT OF MEASURE USE TABLE!!  2  [ ]  IN CE SHO  JAME: GA T PETE TION:  UNIT OF MEASURE USE TABLE!! 2  [ ]  IN IN IN IN IN IN IN IN IN IN IN IN IN	AVG AMT. CODE USE TABLE III O4  [ ] PLASTI PPOUTS  ASOLINE ROLEUM  AVG AMT. CODE USE TABLE III O2  [ ] OIL ST	MAX. AMT. CODE USE TABLEIII 10  [ ] C DRUI IDE  DISTI  MAX. AMT. CODE USE TABLEIII 02  [ ] ORAGE	AMT PER YEAR CODE USE TABLE III 11  [ 20] MS JUST  LLATES  AMT PER YEAR CODE USE TABLE III 10  [ 04 ]  ROOM :	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] T IN FRO  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] IN MAINT	(LSE TABLE IV & V)	CLASSES USE TABLE VI 3.3 6.4  [ . ] [ . ]  HAZARD CLASSES USE TABLE VI 3.1 6.3	0068476-34-6 [

### 1995 -1996 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Account Number

SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202

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OSFMB131	MECTO ADE	NAME:					r		
COMMON NAI HAZARDOUS	ME/ I HADE	NAME: HE	EAVY C	REOSOTI	E DIST	ILLATE	l		
IN HIGHEST C			3501E						
	PHYSICAL	UNIT OF	AVG. AMT.	MAX, AMT.	AMT. PER YEAR CODE	NUMBER DAYS	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 1 - PURE 2 - MIXTURE	USE TABLE I	MEASURE USE TABLE II	USE TABLE III	USE TABLEIN	USE TABLE III	ON SITE 3 DIGIT NO.	A 1 5	USE TABLE VI	or is true (iii turotirit)
	2	2	30	30	30	365	Q 1 5	4.5 6.5	65996-92-1
1 - NO CHANGE 2 - NEW									_
1 . 3 - CHANGE MADE		[ ]	[ ]	l J				[ . ] [ . ]	][ ]
REPORTABLE	WO 45 6155				7.11//0	*17 ***			UN/NA NO. (IF KNOWN)
#33 OR PO					TRACK	#17 AND		,	
#33 UK PC	SOTEL	INA	KAIL	CAR UN	IKACK	#3			3082
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COMMON NAI				REOSOT	E DIST	ILLATE	[	•	
HAZARDOUS			DSOTE				-		
IN HIGHEST C							<u> </u>		
1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V) A 1 5	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLEIII	USE TABLE III	3 DIGIT NO. 365	Q 1 5	USE TABLE VI 4.5 6.5	65996-92-1
1 - NO CHANGE	_	-	30	30	30	303	<b>Q</b> + <b>J</b>	7.5 0.5	03770 72 1
2 · NEW 3 · CHANGE MADE	1 1	ſì	[ ]	[ 1	1	1		1.11.1	1
4 - NO LONGER REPORTABLE									L 2
STORAGE LOCATIO	NS AT SITE	IN	TANK I	FARM,	TANKS :	#4 AND #			UN/NA NO. (IF KNOWN)
23, OR PC	SSIBLY	IN A	RAIL (	CAR ON	TRACK	#3			
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	ME/TRADE		 THYI 9		CREO	SOTE DIS	 TTL! AT#		
	•			SOLVEN	T CREO	SOTE DIS	TILLATĘ	<u>_</u>	<u></u> .
COMMON NAI HAZARDOUS IN HIGHEST O	INGREDIEN	T CREC		SOLVEN	T CREO	SOTE DIS	TILLATĘ		
HAZARDOUS IN HIGHEST C	INGREDIEN ONCENTRA	ATION:	DSOTE	MAX. AMT.	AMT. PER	NUMBER DAYS	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
HAZARDOUS	ONCENTRA PHYSICAL STATE USE TABLE I	ATION:  UNIT OF MEASURE	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	CLASSES USE TABLE VI	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `
HAZARDOUS IN HIGHEST O	ONCENTRA PHYSICAL STATE	ATION:  UNIT OF MEASURE	AVG. AMT.	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	CLASSES	CAS NO. (IF KNOWN) 65996-92-1
HAZARDOUS IN HIGHEST C	ONCENTRA PHYSICAL STATE USE TABLE I	ATION:  UNIT OF MEASURE  USE TABLE II  2	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III 30	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) A 1 5 Q 1 5	USE TABLE VI	65996-92-1
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE	ONCENTRA PHYSICAL STATE USE TABLE I	ATION:  UNIT OF MEASURE USE TABLE !!	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V) A 1 5 Q 1 5	USE TABLE VI	65996-92-1
HAZARDOUS IN HIGHEST O  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE	INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE I 2 [ ]	ATION:  UNIT OF MEASURE USE TABLE II  2	AVG. AMT. CODE USE TABLE III 30	MAX. AMT. CODE USE TABLEIII 30	AMT. PER YEAR CODE USE TABLE III 30	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) A 1 5 Q 1 5	USE TABLE VI	65996-92-1
HAZARDOUS IN HIGHEST OF THE PURE  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE  STORAGE LOCATIO	INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE I 2 [ ]	ATION:  UNIT OF MEASURE USE TABLE II  2  [ ]	AVG. AMT. CODE USE TABLE III 30  [ ]	MAX. AMT. CODE USE TABLEIN 30  [ ]	AMT. PER YEAR CODE USE TABLE III 30	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) A 1 5 Q 1 5	USE TABLE VI	65996-92-1
HAZARDOUS IN HIGHEST O  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE	INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE I 2 [ ]	ATION:  UNIT OF MEASURE USE TABLE II  2  [ ]	AVG. AMT. CODE USE TABLE III 30  [ ]	MAX. AMT. CODE USE TABLEIN 30  [ ]	AMT. PER YEAR CODE USE TABLE III 30	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) A 1 5 Q 1 5	USE TABLE VI	65996-92-1 [ ] UN/NA NO: (IF KNOWN)
HAZARDOUS IN HIGHEST OF THE PURE  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE  STORAGE LOCATIO	INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE I 2 [ ]	ATION:  UNIT OF MEASURE USE TABLE II  2  [ ]	AVG. AMT. CODE USE TABLE III 30  [ ]	MAX. AMT. CODE USE TABLEIN 30  [ ]	AMT. PER YEAR CODE USE TABLE III 30	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) A 1 5 Q 1 5	USE TABLE VI	65996-92-1
HAZARDOUS IN HIGHEST OF THE PURE  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE  STORAGE LOCATIO	INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE I 2 [ ]	ATION:  UNIT OF MEASURE USE TABLE II  2  [ ]	AVG. AMT. CODE USE TABLE III 30  [ ]	MAX. AMT. CODE USE TABLEIN 30  [ ]	AMT. PER YEAR CODE USE TABLE III 30	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) A 1 5 Q 1 5	USE TABLE VI	65996-92-1 [ ] UN/NA NO: (IF KNOWN)
HAZARDOUS IN HIGHEST OF THE PURE  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE  STORAGE LOCATIO	INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE I 2 [ ]	ATION:  UNIT OF MEASURE USE TABLE II  2  [ ]	AVG. AMT. CODE USE TABLE III 30  [ ]	MAX. AMT. CODE USE TABLEIN 30  [ ]	AMT. PER YEAR CODE USE TABLE III 30	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) A 1 5 Q 1 5	USE TABLE VI	65996-92-1 [ ] UN/NA NO: (IF KNOWN)
HAZARDOUS IN HIGHEST OF THE PURE  2 MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER STORAGE LOCATION SIBLY IN  [ COMMON NAME	INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE   2 [ ] NS AT SITE A RAIL	IT CREC ATION: UNIT OF MEASURE USE TABLE    2 [ ] IN CAR O	AVG AMT. CODE USE TABLE III 30  [ ] TANK I DN TRAC	MAX. AMT. CODE USE TABLEIII 30  [ ] FARM, CK #3	AMT. PER YEAR CODE USE TABLE III 30  TANK #:	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) A 1 5 Q 1 5	USE TABLE VI	65996-92-1 [ ] UN/NA NO: (IF KNOWN)
HAZARDOUS IN HIGHEST CO IN HIGHEST CO I - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE STORAGE LOCATIO SIBLY IN  [ COMMON NAM HAZARDOUS	INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE  [ ]  NS AT SITE A RAIL  ME/TRADE INGREDIEN	IT CRECATION:  UNIT OF MEASURE  USE TABLE II  2  [ ]  IN CAR CONTROL OF MEASURE  IN CAR CONTROL OF MEASURE  NAME: MC	AVG AMT. CODE USE TABLE III 30  [ ] TANK I DN TRAC	MAX. AMT. CODE USE TABLEIII 30  [ ] FARM, CK #3	AMT. PER YEAR CODE USE TABLE III 30  TANK #:	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) A 1 5 Q 1 5	USE TABLE VI	65996-92-1 [ ] UN/NA NO: (IF KNOWN)
HAZARDOUS IN HIGHEST OF THE PURE  2 MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER STORAGE LOCATION SIBLY IN  [ COMMON NAME	INGREDIEN ONCENTRA ONCENTRA PHYSICAL STATE USE TABLE I 2 [ ] NS AT SITE A RAIL ME/TRADE I INGREDIEN ONCENTRA	IT CRECATION:  UNIT OF MEASURE  USE TABLE II  2  [ ]  IN CAR CO NAME: MC IT PETI	AVG AMT. CODE USE TABLE III 30  [ ] TANK I DN TRAC	MAX. AMT. CODE USE TABLEIN 30  [ ] FARM, CK #3	AMT. PER YEAR CODE USE TABLE III 30  [ ] TANK #	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]	STORAGE CODE (USE TABLE IV & V)  A 1 5 Q 1 5 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [	CLASSES USE TABLE VI 4.5 6.5  [ . ] [ . ]	65996-92-1 [ ] UN/NA NO: (IF KNOWN)
HAZARDOUS IN HIGHEST OF THE PURE  2 MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE STORAGE LOCATION SIBLY IN  [ COMMON NAI HAZARDOUS IN HIGHEST OF THE PURE  COMMON NAI HAZARDOUS IN HIGHEST OF THE PURE  IN HIGHEST OF THE P	ME/TRADE INGREDIEN ONCENTR/ PHYSICAL STATE USE TABLE I 2 [ ]  ME/TRADE I INGREDIEN ONCENTR/ PHYSICAL PHYSICAL PHYSICAL STATE	IT CRECATION:  UNIT OF MEASURE USE TABLE II  2  [ ]  IN CAR CAR CAR  NAME: MC IT PETI ATION:  UNIT OF MEASURE UNIT OF MEASURE	AVG. AMT. CODE  USE TABLE III  30  [ ]  TANK I  DN TRAC	MAX. AMT. CODE USE TABLEIN 30  [ ] FARM, CK #3	AMT. PER YEAR CODE USE TABLE III 30  [ ]  TANK #-  CARBON  AMT. PER YEAR CODE	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] 3 OR POS  NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V) A 1 5 Q 1 5	CLASSES USE TABLE VI 4.5 6.5  [ . ] [ . ]	65996-92-1 [ ] UN/NA NO: (IF KNOWN)
HAZARDOUS IN HIGHEST COMMON NAI HAZARDOUS  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 1 3 - CHANGE MADE 4 - NO LONGER STORAGE LOCATIO SIBLY IN  COMMON NAI HAZARDOUS IN HIGHEST COMMON SIN HIGHEST COMMON NAI	INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE I 2 [ ] NS AT SITE A RAIL ME/TRADE I INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE I USE TABLE I	IT CRECATION:  UNIT OF MEASURE USE TABLE II  2  [ ]  IN CAR CONTROL OF MEASURE USE TABLE II  UNIT OF MEASURE USE TABLE II  UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE  USE TABLE III  30  [ ]  TANK I  DN TRAC	MAX. AMT. CODE USE TABLEIN 30  [ ] FARM, CK #3  L HYDRO  MAX. AMT. CODE USE TABLEIH	AMT. PER YEAR CODE USE TABLE III 30  [ ]  TANK #-  CARBON  AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]  3 OR POS  NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)  A 1 5 Q 1 5  [ ] [ ] [ ] [ ]  [ ] [ ] [ ]	CLASSES USE TABLE VI 4.5 6.5  [ . ] [ . ]  HAZARD CLASSES USE TABLE VI	65996-92-1 [
HAZARDOUS IN HIGHEST CO  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE STORAGE LOCATIO SIBLY IN  [  COMMON NAI HAZARDOUS IN HIGHEST CO  1 - PURE	ME/TRADE INGREDIEN ONCENTR/ PHYSICAL STATE USE TABLE I 2 [ ]  ME/TRADE I INGREDIEN ONCENTR/ PHYSICAL PHYSICAL PHYSICAL STATE	IT CRECATION:  UNIT OF MEASURE USE TABLE II  2  [ ]  IN CAR CAR CAR  NAME: MC IT PETI ATION:  UNIT OF MEASURE UNIT OF MEASURE	AVG. AMT. CODE  USE TABLE III  30  [ ]  TANK I  DN TRAC	MAX. AMT. CODE USE TABLEIN 30  [ ] FARM, CK #3	AMT. PER YEAR CODE USE TABLE III 30  [ ]  TANK #-  CARBON  AMT. PER YEAR CODE	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ] 3 OR POS  NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)  A 1 5 Q 1 5  [ ] [ ] [ ] [ ]  [ ] [ ] [ ]	CLASSES USE TABLE VI 4.5 6.5  [ . ] [ . ]	65996-92-1 [
HAZARDOUS IN HIGHEST CO  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE STORAGE LOCATIO SIBLY IN  COMMON NAM HAZARDOUS IN HIGHEST CO  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW	INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE I 2 [ ] NS AT SITE A RAIL ME/TRADE I INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE I USE TABLE I	IT CRECATION:  UNIT OF MEASURE USE TABLE II  2  [ ]  IN CAR CONTROL OF MEASURE USE TABLE II  UNIT OF MEASURE USE TABLE II  UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE  USE TABLE III  30  [ ]  TANK I  DN TRAC	MAX. AMT. CODE USE TABLEIN 30  [ ] FARM, CK #3  L HYDRO  MAX. AMT. CODE USE TABLEIH	AMT. PER YEAR CODE USE TABLE III 30  [ ]  TANK #-  CARBON  AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]  3 OR POS  NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)  A 1 5 Q 1 5  [ ] [ ] [ ] [ ]  [ ] [ ] [ ]	CLASSES USE TABLE VI 4.5 6.5  [ . ] [ . ]  HAZARO CLASSES USE TABLE VI 4.5	65996-92-1 [
HAZARDOUS IN HIGHEST OF THE PURE  2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE STORAGE LOCATION SIBLY IN  [  COMMON NAME HAZARDOUS IN HIGHEST OF THE PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO CONGER	INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE I 2 [ ] NS AT SITE A RAIL ME/TRADE I INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE I USE TABLE I	IT CRECATION:  UNIT OF MEASURE USE TABLE II  2  [ ]  IN CAR CONTROL OF MEASURE USE TABLE II  UNIT OF MEASURE USE TABLE II  UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE  USE TABLE III  30  [ ]  TANK I  DN TRAC	MAX. AMT. CODE USE TABLEIN 30  [ ] FARM, CK #3  L HYDRO  MAX. AMT. CODE USE TABLEIH	AMT. PER YEAR CODE USE TABLE III 30  [ ]  TANK #-  CARBON  AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]  3 OR POS  NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)  A 1 5 Q 1 5  [ ] [ ] [ ] [ ]  [ ] [ ] [ ]	CLASSES USE TABLE VI 4.5 6.5  [ . ] [ . ]  HAZARD CLASSES USE TABLE VI	65996-92-1 [
HAZARDOUS IN HIGHEST OF THE PURPORT OF THE PURPORT AND CHANGE MADE  1 - NO CHANGE MADE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER SEPORTABLE STORAGE LOCATIO SIBLY IN  [  COMMON NAI HAZARDOUS IN HIGHEST OF THE PURPORT OF T	INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE I 2 [ ]  NS AT SITE A RAIL  ME/TRADE I INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE I 2 [ ]  [ ]	IT CRECATION:  UNIT OF MEASURE  USE TABLE     2  [ ] ]  IN CAR CONTROL OF MEASURE  UNIT OF MEASURE  UNIT OF MEASURE  UNIT OF MEASURE  USE TABLE     2  [ ] ]	AVG AMT. CODE  TANK I  TANK I  OTOR O: ROLEUM  AVG AMT. CODE  USE TABLE III  04  [ ]	MAX. AMT. CODE USE TABLEIII 30  [ ] FARM, CK #3  L HYDRO  MAX. AMT. CODE USE TABLEIII 04  [ ]	AMT. PER YEAR CODE USE TABLE III 30  [ ]  TANK #:  CARBON  AMT. PER YEAR CODE USE TABLE III 10  [ ]	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]  3 OR POS  NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)  A 1 5 Q 1 5  [ ] [ ] [ ] [ ]  [ ] [ ] [ ]	CLASSES USE TABLE VI 4.5 6.5  [ . ] [ . ]  HAZARO CLASSES USE TABLE VI 4.5	65996-92-1 [
HAZARDOUS IN HIGHEST OF THE PURE  2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE  STORAGE LOCATION SIBLY IN  COMMON NAME HAZARDOUS IN HIGHEST OF THE PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE	INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE   2 [ ] NS AT SITE A RAIL ME/TRADE   INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE   2 [ ] MS AT SITE 2 [ ]	IT CRECATION:  UNIT OF MEASURE  USE TABLE II  2  [ ]  IN  CAR OF MEASURE  UNIT OF MEASURE  UNIT OF MEASURE  UNIT OF MEASURE  UNIT OF MEASURE  UNIT OF MEASURE  UNIT OF MEASURE  IN  IN	AVG. AMT. CODE  TANK I  TANK I  OTOR O: ROLEUM  AVG. AMT. CODE  USE TABLE III  04  [ ]  OIL STANKE	MAX. AMT. CODE USE TABLEIII 30  [ ] FARM, CK #3  L HYDRO  MAX. AMT. CODE USE TABLEIII 04  [ ] TORAGE	AMT. PER YEAR CODE USE TABLE III 30  [ ]  TANK #:  CARBON  AMT. PER YEAR CODE USE TABLE III 10  [ ]  ROOM :	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]	STORAGE CODE (USE TABLE IV & V)  A 1 5 Q 1 5  [ ] [ ] [ ] [ ]  [ ] [ ] [ ]	CLASSES USE TABLE VI 4.5 6.5  [ . ] [ . ]  HAZARO CLASSES USE TABLE VI 4.5	65996-92-1 [
HAZARDOUS IN HIGHEST OF THE PURE  2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE  STORAGE LOCATIO  COMMON NAME HAZARDOUS IN HIGHEST OF THE PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE  STORAGE LOCATIO	INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE   2 [ ] NS AT SITE A RAIL ME/TRADE   INGREDIEN ONCENTRA PHYSICAL STATE USE TABLE   2 [ ] MS AT SITE 2 [ ]	IT CRECATION:  UNIT OF MEASURE  USE TABLE II  2  [ ]  IN  CAR OF MEASURE  UNIT OF MEASURE  UNIT OF MEASURE  UNIT OF MEASURE  UNIT OF MEASURE  UNIT OF MEASURE  UNIT OF MEASURE  IN  IN	AVG. AMT. CODE  TANK I  TANK I  OTOR O: ROLEUM  AVG. AMT. CODE  USE TABLE III  04  [ ]  OIL STANKE	MAX. AMT. CODE USE TABLEIII 30  [ ] FARM, CK #3  L HYDRO  MAX. AMT. CODE USE TABLEIII 04  [ ] TORAGE	AMT. PER YEAR CODE USE TABLE III 30  [ ]  TANK #:  CARBON  AMT. PER YEAR CODE USE TABLE III 10  [ ]  ROOM :	NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]	STORAGE CODE (USE TABLE IV & V)  A 1 5 Q 1 5  [ ] [ ] [ ] [ ]  [ ] STORAGE CODE	CLASSES USE TABLE VI 4.5 6.5  [ . ] [ . ]  HAZARO CLASSES USE TABLE VI 4.5	65996-92-1 [

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### 1995 -1996 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Account Number

SECTION D				
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SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202

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OSFMB131									
COMMON NA					TILL R	ESIDUE	[		
HAZARDOUS			HTHALE	NE			1		
IN HIGHEST C	PHYSICAL	ATION:	AVG AMT	MAX. AMT.	AMT. PER	NUMBER DAYS	STORAGE CODE	HAZARD	Lava va ve va va va va va va va va va va va va va
1 PURE	STATE USE TABLE	MEASURE	AVG. AMT. CODE USE TABLE III	CODE	YEAR CODE	ON SITE  3 DIGIT NO.	(USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 - MIXTURE	2	2	30	30	30	365	<b>Q</b> - 3	4.5 6.3	073665-18-6
1 - NO CHANGE	_	_							
2 - NEW 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		[.][.]	[ ]
4 - NO LONGER REPORTABLE		L	<u> </u>	<u>L.</u>	<u> </u>				UN/NA NO. (IF KNOWN)
STORAGE LOCATIO		IN	TANK I			#34 AND			ON/NATIO: (III INVOINT)
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COMMON NAI	ME/TRADE						[		
HAZARDOUS			SEN						•
IN HIGHEST C							2702125.0005		
1 PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 - MIXTURE	3	2	04	11	11	365	. —	2.2 5.1	007782-44-7
1 - NO CHANGE	[	·			į				
2 · NEW · 3 · CHANGE MADE	[ ]		[ ]	[ · ]	[ ]	[ ]		$[ \cdot ] [ \cdot ]$	[ ]
4 - NO LONGER REPORTABLE					7 000				UN/NA NO. (IF KNOWN)
STORAGE LOCATIO			CYLINDI	ERS ON	3 CAR	TS IN RE			ON/NA NO. (IF KNOWN)
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COMMON NAI			ERCHLO	 ROETHY	LENE			]	
HAZARDOUS	INGREDIE	VT PER	ERCHLOI CHLOROI	 ROETHY ETHYLE	LENE NE		[	]	
	INGREDIEI ONCENTR	NT PERC ATION:	CHLORO	ETHYLE!	NE	NUMBER DAYS	[ STORAGE CODE	HAZARD	CAS NO (IE KNOWA)
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HAZARDOUS IN HIGHEST C	ONCENTR PHYSICAL STATE	ATION:  UNIT OF MEASURE	AVG. AMT.	MAX. AMT.	AMT. PER YEAR CODE	ONSITE	STORAGE CODE (USE TABLE IV & V)		CAS NO. (IF KNOWN) 000127-18-4
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE	ONCENTR  PHYSICAL STATE USE TABLE I	ATION:  UNIT OF MEASURE  USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII	AMT, PER YEAR CODE USE TABLE III	ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	USE TABLE VI	
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE	ONCENTR  PHYSICAL STATE USE TABLE I	ATION:  UNIT OF MEASURE  USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII	AMT, PER YEAR CODE USE TABLE III	ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	USE TABLE VI	
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 · NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE	INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2	NT PERC ATION: UNIT OF MEASURE USE TABLE II 2	AVG. AMT. CODE USE TABLE III 03	MAX. AMT. CODE USE TABLEIII 03	AMT. PER YEAR CODE USE TABLE III 03	ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V)	USE TABLE VI	000127-18-4
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NOLONGER REPORTABLE STORAGE LOCATIO	INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2	NT PERC ATION: UNIT OF MEASURE USE TABLE II 2	AVG. AMT. CODE USE TABLE III 03	MAX. AMT. CODE USE TABLEIII 03	AMT. PER YEAR CODE USE TABLE III 03	ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	USE TABLE VI	
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 · NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE	INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2	NT PERC ATION: UNIT OF MEASURE USE TABLE II 2	AVG. AMT. CODE USE TABLE III 03	MAX. AMT. CODE USE TABLEIII 03	AMT. PER YEAR CODE USE TABLE III 03	ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V)	USE TABLE VI	000127-18-4
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NOLONGER REPORTABLE STORAGE LOCATIO	INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2	NT PERC ATION: UNIT OF MEASURE USE TABLE II 2	AVG. AMT. CODE USE TABLE III 03	MAX. AMT. CODE USE TABLEIII 03	AMT. PER YEAR CODE USE TABLE III 03	ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V)	USE TABLE VI	000127-18-4 [ ] UN/NA NO. (IF KNOWN)
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NOLONGER REPORTABLE STORAGE LOCATIO	INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2	NT PERC ATION: UNIT OF MEASURE USE TABLE II 2	AVG. AMT. CODE USE TABLE III 03	MAX. AMT. CODE USE TABLEIII 03	AMT. PER YEAR CODE USE TABLE III 03	ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V)	USE TABLE VI	000127-18-4 [ ] UN/NA NO. (IF KNOWN)
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NOLONGER REPORTABLE STORAGE LOCATIO	INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2	NT PERCATION: UNIT OF MEASURE USE TABLE II 2 [ ] IN	AVG. AMT. CODE USE TABLE III 03  [ ] METAL	MAX. AMT. CODE USE TABLEIII 03  DRUM	AMT PER YEAR CODE USE TABLE III 03	ON SITE 3 DIGIT NO. 365	(LISE TABLE IV & V)	USE TABLE VI	000127-18-4 [ ] UN/NA NO. (IF KNOWN)
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE STORAGE LOCATIO OF LAB	INGREDIEN ONCENTR PHYSICAL STATE USE TABLE 1 2 [ ] NS AT SITE	NT PERCATION:  UNIT OF MEASURE  USE TABLE II  2  [ ]  IN  NAME: PI	AVG. AMT. CODE USE TABLE III 03  [ ] METAL	MAX. AMT. CODE USE TABLEIII 03	AMT. PER YEAR CODE USE TABLE III 03	ON SITE 3 DIGIT NO. 365  [ ] E W END	(LISE TABLE IV & V)	USE TABLE VI	000127-18-4 [ ] UN/NA NO. (IF KNOWN)
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER MADE 4 - NO LONGER MADE 5 TORAGE LOCATIO OF LAB  COMMON NAI HAZARDOUS	INGREDIEN ONCENTR PHYSICAL STATE USE TABLE I 2 [ ]  MS AT SITE  ME/TRADE INGREDIEN	NT PERCATION:  UNIT OF MEASURE  USE TABLE II  2  [ ]  IN  NAME: PERCATION:	AVG. AMT. CODE USE TABLE III 03  [ ] METAL	MAX. AMT. CODE USE TABLEIII 03	AMT PER YEAR CODE USE TABLE III 03	ON SITE 3 DIGIT NO. 365  [ ] E W END	(LISE TABLE IV & V)	USE TABLE VI	000127-18-4 [ ] UN/NA NO. (IF KNOWN)
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE STORAGE LOCATIO OF LAB	INGREDIEN ONCENTR PHYSICAL STATE USE TABLE I 2 [ ]  NS AT SITE  ME/TRADE INGREDIEN ONCENTR	NT PERCATION:  UNIT OF MEASURE USE TABLE II  2  IN  NAME: PERCATION:	AVG. AMT. CODE USE TABLE III 03  [ ] METAL ETROLEI	MAX. AMT. CODE USE TABLEIII 03  [ ] DRUM  USE TABLEIII OS  I ]	AMT PER YEAR CODE USE TABLE III 03  [ ] OUTSID	ON SITE 3 DIGIT NO. 365  [ ] E W END  IL, CALO	(LSETABLE IV & V) 4  [ ] [ ] [ ]  [ ] [ ] [ ]	USE TABLE VI 6.3 6.4  [ . ] [ . ]	000127-18-4  [
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER EPORTABLE STORAGE LOCATIO OF LAB  COMMON NAI HAZARDOUS IN HIGHEST C	INGREDIEN ONCENTR PHYSICAL STATE USE TABLE I 2 [ ]  MS AT SITE  ME/TRADE INGREDIEN ONCENTR. PHYSICAL STATE	NT PERCATION:  UNIT OF MEASURE  USE TABLE II  2  IN  IN  NAME: PERCATION:  UNIT OF MEASURE  UNIT OF MEASURE  UNIT OF MEASURE	AVG. AMT. CODE USE TABLE III 03  [ ] METAL  ETROLEI  AVG. AMT. CODE	MAX. AMT. CODE USE TABLEIII 03  [ ] DRUM  DRUM  MAX. AMT. CODE	AMT. PER YEAR CODE USE TABLE III 03  [ ] OUTSIDI	ON SITE 3 DIGIT NO. 365  [ ] E W END  IL, CALO S  NUMBER DAYS ON SITE	(LISE TABLE IV & V)	USE TABLE VI 6.3 6.4  [ . ] [ . ]  HAZARD CLASSES	000127-18-4 [ ] UN/NA NO. (IF KNOWN)
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER EPPORTABLE STORAGE LOCATIO OF LAB  [ COMMON NAI HAZARDOUS IN HIGHEST C	INGREDIEN ONCENTR PHYSICAL STATE USE TABLE I 2 [ ]  MS AT SITE  ME/TRADE INGREDIEN ONCENTR. PHYSICAL STATE	NT PERCATION:  UNIT OF MEASURE  USE TABLE II  2  [ ]  IN  NAME: PERCATION:  UNIT OF	AVG. AMT. CODE USE TABLE III 03  [ ] METAL  ETROLEI  AVG. AMT. CODE	MAX. AMT. CODE USE TABLEIII 03  [ ]  DRUM  UM PROT M DIST	AMT PER YEAR CODE USE TABLE III 03  [ ] OUTSID	ON SITE 3 DIGIT NO. 365  [ ] E W END  IL, CALO S	(LISE TABLE IV & V) 4  [ ] [ ] [ ]  [ ] [ ] [ ]	USE TABLE VI 6.3 6.4  [ ] [ ]	000127-18-4  [
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO CHANGE MADE 4 - NO CHANGE MADE 5TORAGE LOCATIO OF LAB  [ COMMON NAI HAZARDOUS IN HIGHEST C 1 - PURE 2 - MIXTURE 1 - NO CHANGE	INGREDIEN ONCENTR PHYSICAL STATE USE TABLE I  2  [ ]  NS AT SITE  ME/TRADE INGREDIEN ONCENTR PHYSICAL USE TABLE I USE TABLE I  USE TABLE I	NT PERCATION:  UNIT OF MEASURE  USE TABLE II  2  [ ]  IN  NAME: PERCATION:  UNIT OF MEASURE  USE TABLE II  USE TABLE II  UNIT OF MEASURE  USE TABLE II	AVG. AMT. CODE USE TABLE III 03  [ ] METAL  ETROLEI  AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII 03  [ ] DRUM  DRUM  MAX. AMT. CODE USE TABLEIII  UM PRO M DIST	AMT PER YEAR CODE USE TABLE III  O3  CESS O: ILLATE:  AMT PER YEAR CODE USE TABLE III	ON SITE 3 DIGIT NO. 365  [ ] E W END  IL, CALO S  NUMBER DAYS ON SITE 3 DIGIT NO.	(LISE TABLE IV & V) 4  [ ] [ ] [ ]  [ ] [ ] [ ]	USE TABLE VI 6.3 6.4  [ . ] [ . ]  HAZARD CLASSES USE TABLE VI	000127-18-4  [
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER EPPORTABLE STORAGE LOCATIO OF LAB  [ COMMON NAI HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE	INGREDIEN ONCENTR PHYSICAL STATE USE TABLE I  2  [ ]  NS AT SITE  ME/TRADE INGREDIEN ONCENTR PHYSICAL USE TABLE I USE TABLE I  USE TABLE I	NT PERCATION:  UNIT OF MEASURE  USE TABLE II  2  [ ]  IN  NAME: PERCATION:  UNIT OF MEASURE  USE TABLE II  USE TABLE II  UNIT OF MEASURE  USE TABLE II	AVG. AMT. CODE USE TABLE III 03  [ ] METAL  ETROLEI  AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII 03  [ ] DRUM  DRUM  MAX. AMT. CODE USE TABLEIII  UM PRO M DIST	AMT PER YEAR CODE USE TABLE III  O3  CESS O: ILLATE:  AMT PER YEAR CODE USE TABLE III	ON SITE 3 DIGIT NO. 365  [ ] E W END  IL, CALO S  NUMBER DAYS ON SITE 3 DIGIT NO.	(LISE TABLE IV & V) 4  [ ] [ ] [ ]  [ ] [ ] [ ]	USE TABLE VI 6.3 6.4  [ . ] [ . ]  HAZARD CLASSES USE TABLE VI	000127-18-4  [
HAZARDOUS IN HIGHEST O  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NOLONGER REPORTABLE  STORAGE LOCATIO OF LAB  COMMON NAI HAZARDOUS IN HIGHEST O  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NOLONGER REPORTABLE	INGREDIEN ONCENTR PHYSICAL STATE USE TABLE I  2  [ ]  MS AT SITE  ME/TRADE INGREDIEN ONCENTR PHYSICAL STATE USE TABLE I  2  [ ]	NT PERCATION:  UNIT OF MEASURE USE TABLE II  2  [ ]  IN  NAME: PI	AVG. AMT. CODE USE TABLE III 03  [ ] METAL  ETROLEU  AVG. AMT. CODE USE TABLE III 20  [ ]	MAX. AMT. CODE USE TABLEIII 03  [ ] DRUM  MAX. AMT. CODE USE TABLEIII 20  [ ]	AMT PER YEAR CODE USE TABLE III  03  [ ]  OUTSIDI  CESS O: ILLATE:  AMT PER YEAR CODE USE TABLE III 20  [ ]	ON SITE 3 DIGIT NO. 365  [ ] E W END  IL, CALO S  NUMBER DAYS ON SITE 3 DIGIT NO. 365	(LISE TABLE IV & V) 4  [ ] [ ] [ ]  [ ] [ ] [ ]	USE TABLE VI 6.3 6.4  [ . ] [ . ]  HAZARD CLASSES USE TABLE VI	000127-18-4  [
HAZARDOUS IN HIGHEST O  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER STORAGE LOCATIO OF LAB  COMMON NAI HAZARDOUS IN HIGHEST O  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER	INGREDIEN ONCENTR PHYSICAL STATE USE TABLE I  2  [ ]  MS AT SITE  ME/TRADE INGREDIEN ONCENTR PHYSICAL STATE USE TABLE I  2  [ ]  MS AT SITE	NT PERCATION:  UNIT OF MEASURE  USE TABLE II  2  [ ]  IN  NAME: PERCATION:  UNIT OF MEASURE  UNIT OF MEASURE  USE TABLE II  2  [ ]  IN	AVG. AMT. CODE USE TABLE III 03  [ ] METAL  ETROLEU  AVG. AMT. CODE USE TABLE III 20  [ ]	MAX. AMT. CODE USE TABLEIII 03  [ ] DRUM  MAX. AMT. CODE USE TABLEIII 20  [ ]	AMT PER YEAR CODE USE TABLE III  O3  CESS O: ILLATE:  AMT PER YEAR CODE USE TABLE III	ON SITE 3 DIGIT NO. 365  [ ] E W END  IL, CALO S  NUMBER DAYS ON SITE 3 DIGIT NO. 365	(LISE TABLE IV & V) 4  [ ] [ ] [ ]  [ ] [ ] [ ]	USE TABLE VI 6.3 6.4  [ . ] [ . ]  HAZARD CLASSES USE TABLE VI	000127-18-4  [
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 1 - NO CHANGE MADE 4 - NO LONGER REPORTABLE  STORAGE LOCATIO OF LAB  COMMON NAI HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER 4 - REPORTABLE  STORAGE LOCATIO	INGREDIEN ONCENTR PHYSICAL STATE USE TABLE I  2  [ ]  MS AT SITE  ME/TRADE INGREDIEN ONCENTR PHYSICAL STATE USE TABLE I  2  [ ]  MS AT SITE	NT PERCATION:  UNIT OF MEASURE  USE TABLE II  2  [ ]  IN  NAME: PERCATION:  UNIT OF MEASURE  UNIT OF MEASURE  USE TABLE II  2  [ ]  IN	AVG. AMT. CODE USE TABLE III 03  [ ] METAL  ETROLEU  AVG. AMT. CODE USE TABLE III 20  [ ]	MAX. AMT. CODE USE TABLEIII 03  [ ] DRUM  MAX. AMT. CODE USE TABLEIII 20  [ ]	AMT PER YEAR CODE USE TABLE III  03  [ ]  OUTSIDI  CESS O: ILLATE:  AMT PER YEAR CODE USE TABLE III 20  [ ]	ON SITE 3 DIGIT NO. 365  [ ] E W END  IL, CALO S  NUMBER DAYS ON SITE 3 DIGIT NO. 365	(LISE TABLE IV & V) 4  [ ] [ ] [ ]  [ ] [ ] [ ]	USE TABLE VI 6.3 6.4  [ . ] [ . ]  HAZARD CLASSES USE TABLE VI	000127-18-4  [

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### 1995 -1996 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Account Number

Koppers012208

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COMMON NAI HAZARDOUS			RIMING OSOTE	AND R	EFACTO	RY OIL		• •	
IN HIGHEST C			03012	•			[		
1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT, PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 AIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLEIII	USE TABLE III	3 DIGIT NO.	A 1 4	USE TABLE VI	
1 - NO CHANGE	2	2	20	20	20	365		4.5 6.5	65996-92-1
2 - NEW 3 - CHANGE MADE		[ ]		[ ]	[ ]			1.11.1	1
4 - NO LONGER REPORTABLE									LINIALA NO VIE KNOMNI
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1.000	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 2 MIXTURE	USE TABLE I	USE TABLE II		USE TABLEIII	USE TABLE III 10	3 DIGIT NO. 365	L 2 6	USE TABLE VI 2.1 6.3	000074-98-6
1 - NO CHANGE	3	_	04	04	10	305		2.1 0.3	000074-98-8
2 - NEW 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		[.][.]	] [
4 - NO LONGER REPORTABLE									UN/NA NO. (IF KNOWN)
STORAGE LOCATION AINTENANCE						OF THE M Same are			STATE CO. (III TOTAL)
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COMMON NAI HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE 1 - NO CHANGE	ONCENTR PHYSICAL STATE	ATION:  UNIT OF  MEASURE	AVG. AMT.	MAX. AMT. CODE	AMT. PER YEAR CODE	ON SITE	STORAGE CODE (USE TABLE IV & V)	CLASSES	CAS NO. (IF KNOWN) 00091-22-5
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COMMON NAI HAZARDOUS IN HIGHEST C  1 - PUFE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 1 - CHANGE MADE 4 - NO LONGER REPORTABLE STORAGE LOCATIO	INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2	NT QUINATION: UNIT OF MEASURE USE TABLE II 2	AVG. AMT. CODE USE TABLE III 02	MAX. AMT. CODE USE TABLEIII 02	AMT. PER YEAR CODE USE TABLE III 02	ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V)  F  [ ] [ ] [ ] [ ]	CLASSES USE TABLE VI	00091-22-5 [ ] UN/NA NO. (IF KNOWN)
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COMMON NAI HAZARDOUS IN HIGHEST C  1 - PUFE 2 - MIXTURE  1 - NO CHANGE 3 - CHANGE MADE 4 - NO LONGER STORAGE LOCATIO M  COMMON NAI HAZARDOUS IN HIGHEST C  1 - PUFE 2 - MIXTURE	INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2 [ ] NS AT SITE  ME/TRADE INGREDIEI ONCENTR PHYSICAL STATE	NT QUINATION:  ATION:  UNIT OF MEASURE  USE TABLE II  2  [ ]  IN  NAME: RI NT HYDI ATION:  UNIT OF MEASURE	AVG. AMT.  CODE  USE TABLE III  02  [ ]  REAR  AVG. AMT. CODE	MAX. AMT. CODE USE TABLEIII 02 [ ] OF LAB TAR ONS	AMT PER YEAR CODE USE TABLE III  02  [ ]  IN SAI	ON SITE 3 DIGIT NO. 365  [ ] MPLE ROO  NUMBER DAYS ON SITE	(USE TABLE IV & V)  ( ) [ ] [ ] [ ]  ( ) [ ] [ ]  ( ) [ ] [ ]  ( ) [ ] [ ]	CLASSES USE TABLE VI 8.0  [ , ] [ , ]  HAZARD CLASSES	00091-22-5 [
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COMMON NAI HAZARDOUS IN HIGHEST C  1 - PUFE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE  COMMON NAI HAZARDOUS IN HIGHEST C  1 - PUFE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO CHANGE 4 - NO LONGER REPORTABLE	INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2 [ ] NS AT SITE  ME/TRADE INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2 [ ]	NT QUINT OF MEASURE USE TABLE II 2 IN THY DI ATION:  UNIT OF MEASURE USE TABLE II 2 IN THY DI ATION:  UNIT OF MEASURE USE TABLE II 2 IN IN IN IN IN IN IN IN IN IN IN IN IN	AVG. AMT. CODE USE TABLE III 02  [ ] REAR CODE USE TABLE III 30  [ ]	MAX. AMT. CODE USE TABLEIII 02  [ ] OF LAB  TAR ONS  MAX. AMT. CODE USE TABLEIII 30  [ ]	AMT PER YEAR CODE USE TABLE III  02  [ ]  IN SAI  AMT PER YEAR CODE USE TABLE III  40  [ ]	ON SITE 3 DIGIT NO. 365  [ ] MPLE ROO  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]	(USE TABLE IV & V)  [ ] [ ] [ ]  [ ] [ ] [ ]	CLASSES USE TABLE VI 8.0  [][]  HAZARD CLASSES USE TABLE VI 4.2	00091-22-5 [
COMMON NAI HAZARDOUS IN HIGHEST C  1 - PUFE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE  COMMON NAI HAZARDOUS IN HIGHEST C  1 - PUFE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO CHANGE 3 - CHANGE MADE 4 - NO CHANGE STORAGE LOCATION  STORAGE LOCATION  STORAGE LOCATION	INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2 [ ] NS AT SITE  ME/TRADE INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2 [ ]	NT QUINATION:  UNIT OF MEASURE  USE TABLE II  Z  [ ]  IN  NAME: RI NT HYDI ATION:  UNIT OF MEASURE  USE TABLE II	AVG. AMT. CODE USE TABLE III 02  [ ] REAR  AVG. AMT. CODE USE TABLE III  AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEIII 02  [ ] OF LAB  TAR ONS  MAX. AMT. CODE USE TABLEIII 30  [ ]	AMT. PER YEAR CODE USE TABLE III  02  [ ]  IN SAI  AMT. PER YEAR CODE USE TABLE III	ON SITE 3 DIGIT NO. 365  [ ] MPLE ROO  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]	(USE TABLE IV & V)  [ ] [ ] [ ]  [ ] [ ] [ ]	CLASSES USE TABLE VI 8.0  [][]  HAZARD CLASSES USE TABLE VI 4.2	00091-22-5 [
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COMMON NAI HAZARDOUS IN HIGHEST C  1 - PUFE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER REPORTABLE  COMMON NAI HAZARDOUS IN HIGHEST C  1 - PUFE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO CHANGE 3 - CHANGE MADE 4 - NO CHANGE STORAGE LOCATION  STORAGE LOCATION  STORAGE LOCATION  STORAGE LOCATION  STORAGE LOCATION	INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2 [ ] NS AT SITE  ME/TRADE INGREDIEI ONCENTR PHYSICAL STATE USE TABLE I 2 [ ]	NT QUINT OF MEASURE USE TABLE II 2 IN THY DI ATION:  UNIT OF MEASURE USE TABLE II 2 IN THY DI ATION:  UNIT OF MEASURE USE TABLE II 2 IN IN IN IN IN IN IN IN IN IN IN IN IN	AVG. AMT. CODE USE TABLE III 02  [ ] REAR CODE USE TABLE III 30  [ ]	MAX. AMT. CODE USE TABLEIII 02  [ ] OF LAB  TAR ONS  MAX. AMT. CODE USE TABLEIII 30  [ ]	AMT PER YEAR CODE USE TABLE III  02  [ ]  IN SAI  AMT PER YEAR CODE USE TABLE III  40  [ ]	ON SITE 3 DIGIT NO. 365  [ ] MPLE ROO  NUMBER DAYS ON SITE 3 DIGIT NO. 365  [ ]	(USE TABLE IV & V)  [ ] [ ] [ ]  [ ] [ ] [ ]	CLASSES USE TABLE VI 8.0  [][]  HAZARD CLASSES USE TABLE VI 4.2	00091-22-5 [

### 1995 -1996 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

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COMMON NAM	ME/TRADE	NAME: SO	H MUIDO	YDROX	[DE		[		
HAZARDOUS I	INGREDIE	NT SOD:	CUM HYD	ROXIDE	=		_		
IN HIGHEST C								·····	
1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
1 2- MIXTURE	} _	1 _	USE TABLE III	USE TABLEIII	USE TABLE III	3 DIGIT NO.	I I 4	USE TABLE VI	
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3 - CHANGE MADE	l I	L ]	} L J	r 1	L J	l J		[ • ] [ • ]	L 3
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1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG, AMT. CODE	MAX, AMT, CODE	AMT, PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 1 - PURE 2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLEIII	USE TABLE III	3 DIGIT NO. 365	_ T . T . A	USE TABLE VI 6.3 5.1	0007757-83-7
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HAZARDOUS IN HIGHEST C	ONCENTE PHYSICAL STATE	NT PET	AVG. AMT.	MAX. AMT.	AMT, PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES LISE TABLE VI	CAS NO. (IF KNOWN)
HAZARDOUS IN HIGHEST C	INGREDIE ONCENTE PHYSICAL	NT PET	ROLEUM	MAX. AMT.	AMT, PER YEAR CODE	NUMBER DAYS	STORAGE CODE (USE TABLE IV & V)	USE TABLE VI	CAS NO. (IF KNOWN) 0065996-93-2
HAZARDOUS IN HIGHEST C	INGREDIE ONCENTE PHYSICAL STATE USE TABLE I	ATION: UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEII	AMT, PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI 4.5 0	
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW	INGREDIE ONCENTF PHYSICAL STATE USE TABLE I 2	ATION: UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEII	AMT, PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)5	USE TABLE VI	
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER	INGREDIE ONCENTF PHYSICAL STATE USE TABLE I 2	ATION: UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLEII	AMT, PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)  [ ] [ ] [ ]	USE TABLE VI	0065996-93-2
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 3 - CHANGE MADE	INGREDIE ONCENTF PHYSICAL STATE USE TABLE I 2 [ ]	NT PET RATION: UNIT OF MEASURE USE TABLE II 2  [ ] ON	AVG. AMT. CODE USE TABLE III 20  [ ]	MAX AMT. CODE USE TABLEIII 20  [ ]	AMT PER YEAR CODE USE TABLE III 21 [ ]	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V)  [ ] [ ] [ ] [ ]	USE TABLE VI	
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 1 3 - CHANGE MADE 4 - NO LONGER REPORTABLE	INGREDIE ONCENTF PHYSICAL STATE USE TABLE I 2 [ ]	NT PET RATION: UNIT OF MEASURE USE TABLE II 2  [ ] ON	AVG. AMT. CODE USE TABLE III 20  [ ]	MAX AMT. CODE USE TABLEIII 20  [ ]	AMT PER YEAR CODE USE TABLE III 21 [ ]	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) 5	USE TABLE VI	0065996-93-2 [ ] UN/NA NO. (IF KNOWN)
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HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 1 - NO LONGER REPORTABLE STORAGE LOCATIO NANCE SHO	INGREDIE ONCENTF PHYSICAL STATE USE TABLE I 2 [ ]	NT PET RATION: UNIT OF MEASURE USE TABLE II 2  [ ] ON	AVG. AMT. CODE USE TABLE III 20  [ ]	MAX AMT. CODE USE TABLEIII 20  [ ]	AMT PER YEAR CODE USE TABLE III 21 [ ]	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V)  [ ] [ ] [ ] [ ]	USE TABLE VI	0065996-93-2 [ ] UN/NA NO. (IF KNOWN)
HAZARDOUS IN HIGHEST C  1 - PURE 2 - MIXTURE  1 - NO CHANGE 2 - NEW 1 3 - CHANGE MADE 4 - NO LONGER REPORTABLE STORAGE LOCATIO NANCE SHO ON. [	INGREDIE ONCENTF PHYSICAL STATE USE TABLE I 2 [ ] NS AT SITE DP AND	NT PET RATION: UNIT OF MEASURE USE TABLE II 2  [ ] ON NORTH	AVG. AMT. CODE USE TABLE III 20  [ ] ASPHAI OF TRA	MAX AMT. CODE USE TABLEIII 20  [ ]	AMT PER YEAR CODE USE TABLE III 21 [ ]	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V)  [ ] [ ] [ ] [ ]	USE TABLE VI	0065996-93-2 [ ] UN/NA NO. (IF KNOWN)
HAZARDOUS IN HIGHEST C  1 PURE 2 MIXTURE  1 NO CHANGE 2 NEW 3 CHANGE MADE 4 NO LONGER FEPORTABLE STORAGE LOCATIO NANCE SHO ON.  [ COMMON NAM	INGREDIE ONCENTE PHYSICAL STATE USE TABLE 2 [ ] NS AT SITE OP AND	NT PET RATION: UNIT OF MEASURE USE TABLE II 2  [ ] ON NORTH	AVG. AMT. CODE USE TABLE III 20  [ ] ASPHAI OF TRA	MAX AMT. CODE USE TABLEIII 20  [ ]	AMT PER YEAR CODE USE TABLE III 21 [ ]	NUMBER DAYS ON SITE 3 DIGIT NO. 365	[ STORAGE CODE (USE TABLE IV & V)  [ ] [ ] [ ]  [ ] [ ] [ ]	USE TABLE VI	0065996-93-2 [ ] UN/NA NO. (IF KNOWN)
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#### Due Date: March 1, 1997

FCRM COMPANY

#### 1996-1997

Facility ID Number 006202

# OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

PLEASE TYPE OR PRINT CHANGES OR ADDITIONS IN THE (BRACKETED) AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA.

PLEASE TYPE OR PRINT CHANGES OR ADDITIONS IN THE (DRACK	EXECUTANCES TO THE RIGHT ON BELOW THE PREPRINTED DATA.
SECTION A HAZARDOUS SUBSTANCE PRESENCE Check	the correct box to the left.
XYES NO Are there hazardous substances present at this if yes, complete sections B, C, and D. If no, com	aplete sections B and C.
YES X NO Are there Extremely Hazardous Substances (EH	(S) at this site that meet the threshold planning quantities?
SECTION B DEMOGRAPHIC DATA Complete, correct or add	l information in the [bracketed] areas.
1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES A	ND INTERMEDIATES
2. SIC CODE 2: DEFINITION:	
3. BUSINESS ACTIVITY: CREOSOTE & COAL TAR PITC	H TERMINAL
4. DUN & BRADSTREET #: 02-773-4359	
5. MANAGER'S NAME: AMOS S KAMERER	
6. SEND TO ATTENTION OF:	[ AMOS S. KAMERER ]
7540 NW ST HELENS RD  CITY: PORTLAND  COUNTY: MULTNOMAH  STATE: OR ZIP CODE: 97210-3663  11. BUSINESS PHONE: 503-286-3681  13. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS S	
AMOS S KAMERER [ 15. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE	DAY 503-286-3681 NIGHT 503-246-8045 [
providency patients,	information the fire service needs to know in case of an emergency.
17. YES X NO AUTOMATIC FIRE SUPPRESSION S	S, LOCATION: OFFICE, MELTER CONTROL ROOM YSTEM PRESENT; e.g., sprinklered, halon system, etc. AREAS PLACARDED ACCORDING TO NFPA 704? JSED?
SECTION C PERSON COMPLETING FORM This person will be	contacted to answer any questions needing clarification.
1. PRINT NAME: AMOS S. KAMERER	KOPPERS INDUSTRIES INC
2. SIGNATURE (REQUIRED):	TAR PRODUCTS' 7540 NW ST HELENS RD
3. DATE SURVEY COMPLETED: 1/15/97	PORTLAND OR 97210-3663
(C; WES	
JAM DEMANDA CODE OF MITT	CONTRACTOR AND ADD

RETAIN A COPY OF THIS SURVEY FOR 3 YEARS
PLEASE TYPE OR PRINT ALL ANSWERS. THANK-YOU

# 1996-1997 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number 006202

SECTION D

COMMON NAME/TRADE NAME: ACETONE	[
HAZARDOUS INGREDIENT	
IN HIGHEST CONCENTRATION: ACETONE  [PHYSICAL   UNIT OF   AVG. AMT.   MAX. AMT.   AMT. PER   NUMBER OF	STORAGE CODE HAZARD CAS NO. (IF KNOWN)
1 - PURE STATE MEASURE CODE CODE YEAR CODE DAYS ON SITE USE TABLE II USE TABLE III USE TABLE III USE TABLE III 3 DIGIT NO.	(USE TABLES IV & V) USE TABLE VI
1 2 2 01 01 01 365	F 1 4 3.2 6.3 0000067-64-1
1 · NEW 2 · NO LONGER 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
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	1 [ ]
COMMON NAME TRADE NAME: ACETYLENE HAZARDOUS INGREDIENT	[
IN HIGHEST CONCENTRATION: ACETYLENE	
PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBER OF STATE MEASURE CODE CODE YEAR CODE DAYS ON SITE.	STORAGE CODE HAZARD CAS NO. (IF KNOWN)
1 - PURE USE TABLE II USE TABLE III USE TABL	(USE TABLE IV & V) USE TABLE VI
3 3 10 10 20 365	2.1 6.3 0000074-86-2
1 · NEW 2 · NO LONGER REPORTABLE	
STORAGE LOCATIONS AT SITE IN MAINTENANCE SHOP IN REAR	UN/NA NO. (IF KNOWN)
OF BLDG. 2 CYLINDERS ON 2 PORTABLE CARTS IN FR ONT OF SHOP INSIDE	1001
<u>[</u>	j
COMMON NAME/TRADE NAME: COAL TAR PITCH	
HAZARDOUS INGREDIENT	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PYRENE  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. PER NUMBER OF CODE CODE VEAR CODE DAYS ON SUFF	STORAGE CODE HAZARD CLASSES CAS NO. (IF KNOWN)
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HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PYRENE  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER DAYS ON SITE USE TABLE II USE TABLE III OSE TABLE III USE TABLE III U	CLASSES
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HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PYRENE  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER DAYS ON SITE USE TABLE II USE TABLE III OSE TABLE III USE TABLE III U	CLASSES

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Facility ID Number 006202

SECTION D

COMMON NAME/TRADE NAME: CREOSOTE HAZARDOUS INGREDIENT	
IN HIGHEST CONCENTRATION: COAL TAR PITCH VOLATILE	S [
PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBER O	OF STORAGE CODE HAZARD CAS NO (JE KNOWN)
2 PURE USE TABLE II USE TABLE III USE TABLE	(USE TABLES IV & V)  D 1 4
STORAGE LOCATIONS AT SITE LAB IN REAR SAMPLE ROOM, AN	UN/NA NO. (IF KNOWN)
ON ASPHALT IN REAR OF MAINTENANCE SHOP	3082
COMMON NAME/TRADE NAME: CREUSUTE	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: COAL TAR PITCH VOLATILE	
PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBER OF STATE MEASURE CODE CODE YEAR CODE DAYS ON SI	TE STORAGE CODE CLASSES CAS NO. (IF KNOWN)
2   1 - PURE     2 - MIXTURE     2   2   4 0   4 0   5 1   3 6 5	A 1 5 Q 1 5 4.5 6.3 0008001-58-9
STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #20, #3 AND #67, OR POSSIBLY IN A RAIL CAR ON TRACK	
3	3082
	1
COMMON NAME/TRADE NAME. OIECEL 40	
L  COMMON NAME/TRADE NAME: DIESEL #2  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: DETPOLEUM DISTILLATES	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL   UNIT OF   AVG. AMT.   MAX. AMT.   AMT. PER   NUMBER OF STREET   N	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. PER NUMBER OF CODE VEAR CODE DAYS ON SI  1 - PURE 2 - MIXTURE 1 - PURE USE TABLE II USE TABLE III  USE TABLE III USE TABLE III USE TABLE III USE TABLE III USE TA	TE STORAGE CODE CLASSES CAS NO. (IF KNOWN)  (USE TABLES IV & V) USE TABLE VI  E 1 4
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBER CODE CODE VEAR CODE DAYS ON SI  1 PURE USE TABLE II USE TABLE III USE TABLE	TE STORAGE CODE CLASSES CAS NO. (IF KNOWN)  (USE TABLES IV & V) USE TABLE VI  E 1 4
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. AMT. PER NUMBER OF CODE YEAR CODE YEAR CODE DAYS ON SI  1 PURE 2 MIXTURE 2 MIXTURE 2 MIXTURE 2 2 04 10 20 365  1 NEW 2 NO LONGER REPORTABLE II I I I I I I I I I I I I I I I I I	TE STORAGE CODE CLASSES CAS NO. (IT KNOWN)  (USE TABLES IV & V) USE TABLE VI  E 1 4 3.3 6.4 0068476-34-6  [ ] [ ] [ ] [ ] UN/NA NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. AMT. PER NUMBER CODE CODE YEAR CODE DAYS ON SI  1 - PURE 2 - MIXTURE 3 - DIGIT NO.  1 - NEW 2 - NO LONGER REPORTABLE	TE STORAGE CODE CLASSES CAS NO. (IT KNOWN)  (CSE TABLES N & V) USE TABLE VI  E 1 4 3.3 6.4 0068476-34-6  [
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. AMT. PER NUMBER OF CODE YEAR CODE YEAR CODE DAYS ON SI  1 PURE 2 MIXTURE 2 MIXTURE 2 MIXTURE 2 2 04 10 20 365  1 NEW 2 NO LONGER REPORTABLE II I I I I I I I I I I I I I I I I I	TE STORAGE CODE CLASSES CAS NO. (IT KNOWN)  (USE TABLES IV & V) USE TABLE VI  E 1 4 3.3 6.4 0068476-34-6  [ ] [ ] [ ] [ ] UN/NA NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. AMT. PER NUMBER OF CODE YEAR CODE YEAR CODE DAYS ON SI  1 PURE 2 MIXTURE 2 MIXTURE 2 MIXTURE 2 2 04 10 20 365  1 NEW 2 NO LONGER REPORTABLE II I I I I I I I I I I I I I I I I I	TE STORAGE CODE CLASSES CAS NO. (IT KNOWN)  (CSE TABLES N & V) USE TABLE VI  E 1 4 3.3 6.4 0068476-34-6  [
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBER OF AVG. AMT. CODE VEAR CODE DAYS ON SI  1 PURE USE TABLE II USE TABLE III TO STORAGE LOCATIONS AT SITE  STORAGE LOCATIONS AT SITE  IN PLASTIC DRUMS JUST IN FRUIT OF MAINTENANCE SHOP OUTSIDE  COMMON NAME/TRADE NAME: GASOLINE HAZARDOUS INGREDIENT	TE STORAGE CODE CLASSES CAS NO. (IT KNOWN)  (CSE TABLES N & V) USE TABLE VI  E 1 4 3.3 6.4 0068476-34-6  [
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER DAYS ON SI  1 PURE USE TABLE II USE TABLE III TOF MA INTENANCE SHOP OUTSIDE  COMMON NAME/TRADE NAME: GA SOLINE HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES	TE STORAGE CODE CLASSES CAS NO. (IT KNOWN)  (CSE TABLES IV & V) USE TABLE VI  E 1 4 3.36.4 0068476-34-6  UN/NA NO. (IF KNOWN)  1993
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBER OF CODE VEAR CODE DAYS ON SI  1 - PURE USE TABLE II USE TABLE III USE TABLE	TE STORAGE CODE CLASSES CAS NO. (IT KNOWN)  (CSE TABLES IV & V)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER DAYS ON SI  1 PURE 2 MIXTURE 2 MIXTURE 2 NO LONGER REPORTABLE 3 DIGIT NO.  STORAGE LOCATIONS AT SITE IN PLASTIC DRUMS JUST IN FR  IT OF MAINTENANCE SHOP OUTSIDE  COMMON NAME/TRADE NAME: GASOLINE HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBERG STATE MEASURE GASOLINE HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBERG STATE MEASURE CODE 2 PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBERG STATE MEASURE CODE 2 YEAR CODE DAYS ON SI 2 2 02 02 04 365	TE   STORAGE CODE   CLASSES   CAS NO. (IT KNOWN)      CLASSES   CAS NO. (IT KNOWN)     CLASSES   CA
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBERG CODE CODE YEAR CODE DAYS ON SI  1 - PURE USE TABLE II USE TABLE III III 3 DIGIT NO.  STORAGE LOCATIONS AT SITE IN PLASTIC DRUMS JUST IN FR  IT OF MAINTENANCE SHOP OUTSIDE  COMMON NAME/TRADE NAME: GASOLINE HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBERG CODE YEAR CODE DAYS ON SI  1 - PURE USE TABLE II USE TABLE III USE	TE STORAGE CODE CLASSES  (CSE TABLES IV & V)  E 1 4 3.3 6.4  UN/NA NO. (IF KNOWN)  1993  UN/NA NO. (IF KNOWN)  1993  CLASSES  CAS NO. (IF KNOWN)  1993  CLASSES  CAS NO. (IF KNOWN)  1993  CLASSES  CAS NO. (IF KNOWN)  1993  CLASSES  UN/NA NO. (IF KNOWN)  1993  CLASSES  ON ON ONE OF THE NOWN OF T
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBERG CODE YEAR CODE DAYS ON SI  1. PURE USE TABLE II USE TABLE III III JOHNO.  2 2 04 10 20 365  STORAGE LOCATIONS AT SITE IN PLASTIC DRUMS JUST IN FRUIT OF MAINTENANCE SHOP OUTSIDE  COMMON NAME/TRADE NAME: GA SOLINE HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBERG CODE YEAR CODE DAYS ON SI  2 MIXTURE  2 2 02 02 02 04 365  1. PURE USE TABLE II USE TABLE III USE TABL	TE STORAGE CODE CLASSES  (CSE TABLES IV & V)  E 1 4  3.36.4  UN/NA NO. (IF KNOWN)  1993  TE STORAGE CODE CLASSES  (CSE TABLES IV & V)  N 1 4 F 1 4 3.16.3  UN/NA NO. (IF KNOWN)  UN/NA NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBERG CODE CODE YEAR CODE DAYS ON SI USE TABLE II USE TABLE III III 3 DIGIT NO.  **TORAGE LOCATIONS AT SITE** IN PLASTIC DRUMS JUST IN FR IT OF MAINTENANCE SHOP OUTSIDE  **COMMON NAME/TRADE NAME: GASOLINE** HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBERG CODE CODE YEAR CODE DAYS ON SI  1. PURE STATE MEASURE CODE CODE YEAR CODE DAYS ON SI  2. MIXTURE  2. MIXTURE  2. MIXTURE  1. PURE USE TABLE II USE TABLE III  TE STORAGE CODE CLASSES  (CSE TABLES IV & V)  E 1 4  3.36.4  UN/NA NO. (IF KNOWN)  1993  TE STORAGE CODE CLASSES  (CSE TABLES IV & V)  N 1 4 F 1 4 3.16.3  UN/NA NO. (IF KNOWN)  UN/NA NO. (IF KNOWN)	

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SECTION D

COMMON NAM			HEAVY	CREOS	OTE DI	STILLATE	<b>C</b>		]
HAZARDOUS I IN HIGHEST C			CREOSO	)TF			<b>:</b>		
	PHYSICAL	UNIT OF	AVG. AMT.	MAX. AMT.	AMT. PER	NUMBER OF	STORAGE CODE	HAZARD _	CAS NO. (IF KNOWN)
1 - PURE	STATE USE TABLE I	MEASURE USE TABLE II	CODE USE TABLE III	CODE USE TABLE III	YEAR CODE USE TABLE III	DAYS ON SITE 3 DIGIT NO.	(USE TABLES IV & V)	CLASSES USE TABLE VI	
2 · MEXTURE	_	_					A 1 5		
1 · NEW	2	2	30	30	30	365	2 1 5	4.5 6.5	65996-92-1
2 - NO LONGER REPORTABLE		[]		<b>I</b>				l Ji i	L
STORAGE LOCATIO	ONS AT SITE	TN T	ANK FA	RM. T	ANKS #	17 AND			UN/NA NO. (IF KNOWN)
#33 OR POS	SIBLY				TRACK				
									3082
ſ								1	
[								1	
COMMON NAM		NIA MIE	   1.CUT	CDEAC	ATE OI	CTILLATE			
HAZARDOUS I			LIGHI	CKEUS	UIE VI	SIILLAIE	<b>L</b>		J
IN HIGHEST C			CREOSO	)TF			·		
	PHYSICAL	UNIT OF	AVG. AMT.	MAX. AMT.		NUMBER OF	STORAGE CODE	HAZARD	CAS NO. (IF KNOWN)
1 - PURE	STATE USE TABLE I	MEASURE USE TABLE II	CODE USE TABLE III	CODE USE TABLE III	YEAR CODE	DAYS ON SITE 3 DIGIT NO.	(USE TABLE IV & V)	CLASSES USE TABLE VI	OND ITO (IT INTO IT)
2 - MIXTURE							A 1 5		
1 - NEW	2	2	30	30	30	365	2 1 5	4.5 6.5	65996-92-1
2 - NO LONGER REPORTABLE									
STORAGE LOCATIO	ONS AT SITE	711 7	LIV TA	DI T	ANUC H	4 AND #			UN/NA NO. (IF KNOWN)
	SIBLY				ANKS #		Econol Econol		
es, or ros	SIDLI	TIN Y I	INIL CF	IN ON	IKACK	πυ			3082
F:::::::::::::::::::::::::::::::::::::								1	[ ]
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_L				·	· <del></del> -				
COMMON NAM HAZARDOUS I			METHYL	. SOLV	ENT CR	EOSOTE D	ISTILLATE 🖺		
IN HIGHEST C			CREOSO	TE			f:		
	PHYSICAL	UNIT OF	AVG. AMT.	MAX. AMT.	AMT. PER	NUMBER OF	STORAGE CODE	HAZARD	CAS NO. (IF KNOWN)
1 - PURE	STATE USE TABLE (	MEASURE USE TABLE II	CODE USE TABLE III	CODE USE TABLE III	YEAR CODE	DAYS ON SITE 3 DIGIT NO.	(USE TABLES IV & V)	CLASSES USE TABLE VI	CAS NO. (IT INVOVIV)
2 - MIXTURE						1	A 1 5		
	2	2	30	30	30	365	2 1 5		65996-92-1
1 - NEW 2 - NO LONGER						[ ]		[ 3.3][ ]	
STORAGE LOCATION		7			1 1 1 1 1 2	30 030			UN/NA NO. (IF KNOWN)
SIBLY IN A					ANK #3	OR POS	tood tood tood		
SIDLY IN A	KAIL	CAK UN	IKACK	C # J		·			3082
<b>F</b>			:::::::::::::::::::::::::::::::::::::::		Y00000			1	1 3082
<u> </u>									<b>L</b>
	<b></b>	- <b></b>					<b></b>		
COMMON NAM			MOTOR	OIL					]
HAZARDOUS I IN HIGHEST C							<b>5</b> 00	50000500000000000000000000000000000000	
in nightsi c	PHYSICAL	LNIT OF	HIGHLY AVG. AMT.	MAX. AMT.		SE OILS		HAZARD	
1 - PURE	STATE	MEASURE USE TABLE II	CODE	CODE USE TABLE III	YEAR CODE	DAYS ON SITE	STORAGE CODE	CLASSES	CAS NO.(IF KNOWN)
2 - MIXTURE	USE TABLE !	COE IABLE II	USE TABLE III	COE IMBLE!!	USE TABLE III	3 DIGIT NO.	(USE TABLES IV & V)  D 1 4	USE TABLE VI	
	2	2	04	04	10	365		4.5	0064742-54-7
1 - NEW 2 - NO LONGER								[ ][ ]	
REPORTABLE	L	l					[:::::3] [::::3]		UN/NA NO. (IF KNOWN)
STORAGE LOCATIO						N MAINT			
ENANCE SHO	Pr, SOU	HEND	of But	LUING					1070
<b>F</b> 000000000000000000000000000000000000	20222222222222222222222222222222222222	55,55505,75555,75554445,7		000000000000000000000000000000000000000	9,000,000,000,000		200025000000000000000000000000000000000		1270
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SECTION D

	CIMIGES IN THE E		0
COMMON NAME/TRADE NAME: NAPHTHALENE STILL RESIDUE HAZARDOUS INGREDIENT	[		
IN HIGHEST CONCENTRATION: NAPHTHALENE			1
PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBER OF	STORAGE CODE	HAZARD	CAS NO. (IF KNOWN)
1 - PURE STATE MEASURE CODE CODE YEAR CODE DAYS ON SITE USE TABLE 1- U	(USE TABLES IV & V)	C LASSES USE TABLE VI	
	2 1 5	1 5 4 2	073665-18-6
2 2 30 30 30 365  1 - NEW 2 - NO LONGER E [ ] [ ] [ ] [ ] [ ] [ ] [ ]		[ ][ ]	[
STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #34 AND			UN/NA NO. (IF KNOWN)
#99, AND POSSIBLY IN A RAIL CAR ON TRACT #3/IN			
TANK FARM/TANKS #34 AND #102 AND POSSIBLE IN A	RAILCAR ON	TRACK #3	3082
_[	<del></del>	]ˈ	
COMMON NAME/TRADE NAME: OXYGEN			
HAZARDOUS INGREDIENT	<b>#</b> 2000	*************	······································
IN HIGHEST CONCENTRATION: OXYGEN  PHYSICAL   UNIT OF   AVG. AMT.   MAX. AMT.   AMT. PER   NUMBER OF	liii	HAZARD	
STATE MEASURE CODE CODE VEARCODE DAYS ON SITE  USE TABLE II USE TABLE III USE TABLE III USE TABLE III 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 2- MIXTURE CSE TABLE II CSE TABLE III CSE	L 2 4	USE IABLE VI	
3 2 04 11 11 365		2.2 5.1	007782-44-7
1. NEW 2. NO LONGER REPORTABLE [33] [11] [20] [20]			
STORAGE LOCATIONS AT SITE 6 CYLINDERS ON 3 CARTS IN RE			UN/NA NO. (IF KNOWN)
AR OF MAINTENANCE SHOP.			
			1072
		]	[ ]
			<u> </u>
COMMON NAME/TRADE NAME: PERCHLOROETHYLENE	[		]
HAZARDOUS INGREDIENT	<u> </u>		_
IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE			
PHYSICAL UNIT OF AVG. AMT. MAX. AMT. PER NUMBER OF STATE MEASURE CODE CODE YEAR CODE DAYS ON SITE LISE TABLE IL USE TABLE III LISE TABLE III	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
1 - PURE USE TABLE II USE TABLE III USE TABL	(USE TABLES IV & V)  D 1 4	USE TABLE VI	
2 2 03 03 03 365		6.3 6.4	0000127-18-4
1- NEW 2- NO LONGER REPORTABLE		[ ][ ]	[*************************************
REPORTABLE		1	[
STORAGE LOCATIONS AT SITE THE UPTALL ORDER OUT CLOSE IN THE			UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE IN METAL DRUM OUTSIDE WEND			UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE IN METAL DRUM OUTSIDE WEND OF LAB			Un/na no. (if known)
IN METAL DRUM OUTSIDE W END			
IN METAL DRUM OUTSIDE W END		]	
OF LAB		]	
IN METAL DRUM OUTSIDE W END		]	
COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CA HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES		]	
COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CA HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. AMT. PER NUMBER OF STATE MEASURE CODE CODE VEAR CODE DAYS ON SITE		HAZARD CLASSES	
COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CA HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBER OF STATE MEASURE CODE CODE YEAR CODE DAYS ON SITE  1. PURB 1. PURB 2. MIXTURE  LISE TABLE II USE TABLE III USE TABLE III USE TABLE III 3 DIGIT NO.	LORIA HT [ STORAGE CODE (USE TABLES IV & V)		1897
COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CA HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBER OF STATE MEASURE CODE CODE YEAR CODE DAYS ON SITE  2 MIXTURE  3 DIGIT NO.	LORIA HT [	CLASSES USE TABLE VI	1897
COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CA HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBER OF STATE MEASURE CODE CODE YEAR CODE DAYS ON SITE  1. PURE 2 MIXTURE 2 LODIC CODE YEAR CODE DAYS ON SITE USE TABLE II USE TABLE III USE TABLE III USE TABLE III OF TABLE I	LORIA HT [ STORAGE CODE (USE TABLES IV & V)	CLASSES	1897
COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CA HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBER OF STATE MEASURE CODE CODE YEAR CODE DAYS ON SITE  2 MIXTURE 2 NO LONGER REPORTABLE 1 NEW 2 NO LONGER REPORTABLE 2 2 2 2 2 3 5 5	STORAGE CODE  (USE TABLES IV & V.  A 1 5  [ ] [ ] [ ] [ ]	CLASSES USE TABLE VI	1897
COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CA HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBER OF STATE MEASURE CODE CODE VEAR CODE DAYS ON SITE  1. PURE 2. MIXTURE 2. MIXTURE 2. NO LONGER REPORTABLE 1. NEW 2. NO LONGER REPORTABLE 1. NEW 2. NO LONGER REPORTABLE 1. NEW 3. DO DE CODE VEAR CODE DAYS ON SITE 3. DIGIT NO.  STORAGE LOCATIONS AT SITE IN ABOVE GROUND EXPANSION TA	LORIA HT [ STORAGE CODE (USE TABLES IV & V)	CLASSES USE TABLE VI	1897  CAS NO.(IF KNOWN)
COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CA HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBER OF STATE MEASURE CODE CODE YEAR CODE DAYS ON SITE  2 MIXTURE 2 NO LONGER REPORTABLE 1 NEW 2 NO LONGER REPORTABLE 2 2 2 2 2 3 5 5	STORAGE CODE  (USE TABLES IV & V.  A 1 5  [ ] [ ] [ ] [ ]	CLASSES USE TABLE VI	1897  CAS NO.(IF KNOWN)
COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CA HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBER OF STATE MEASURE CODE CODE VEAR CODE DAYS ON SITE  1. PURE 2. MIXTURE 2. MIXTURE 2. NO LONGER REPORTABLE 1. NEW 2. NO LONGER REPORTABLE 1. NEW 2. NO LONGER REPORTABLE 1. NEW 3. DO DE CODE VEAR CODE DAYS ON SITE 3. DIGIT NO.  STORAGE LOCATIONS AT SITE IN ABOVE GROUND EXPANSION TA	STORAGE CODE  (USE TABLES IV & V.  A 1 5  [ ] [ ] [ ] [ ]	CLASSES USE TABLE VI	1897  CAS NO.(IF KNOWN)
COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CA HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBER OF STATE MEASURE CODE CODE VEAR CODE DAYS ON SITE  1. PURE 2. MIXTURE 2. MIXTURE 2. NO LONGER REPORTABLE 1. NEW 2. NO LONGER REPORTABLE 1. NEW 2. NO LONGER REPORTABLE 1. NEW 3. DO DE CODE VEAR CODE DAYS ON SITE 3. DIGIT NO.  STORAGE LOCATIONS AT SITE IN ABOVE GROUND EXPANSION TA	STORAGE CODE  (USE TABLES IV & V.  A 1 5  [ ] [ ] [ ] [ ]	CLASSES USE TABLE VI	1897  CAS NO.(IF KNOWN)

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SECTION D

HAZARDOUS INGREDIENT  IN HIGHEST CONCENTRATION: CRED SOTE		
IN HIGHEST CONCENTRATION: CREOSOTE    PRIVATE   STORT   WILLIAM   STORT   WILLIAM   WI		
TANK   CAS NO. (IF ENOWN)	+	[
Common Name/Trade Name:   PROPANE   Name		CAS NO (JE KNOWN)
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	STATE MEASURE CODE CODE YEAR CODE DAYS ON SITE	CLASSES
STORAGE LOCATIONS AT SITE IN TANK FARM, TANK #19 AND I UNINA NO. (IF KNOWN)  N PRUMS BEHIND MAINTENANCE .SHOP  ONNANO. (IF KNOWN)  N PRUMS BEHIND MAINTENANCE .SHOP  SOBRE HAZARDOUS INGREDIENT  N HIGHEST CONCENTRATION: PROPANE  INGREDIENT  STORAGE LOCATIONS AT SITE IN TANK AND IN CANN. STEP INGRAFE COME. STORAGE LOCATION AND IN CANN. STEP IN CANN. STE	2 2 MIXTURE	A 1 4
TORAGE LOCATIONS AT SITE IN TANK FARM, TANK #19 AND 1  N PRUMS BEHIND MAINTENANCE SHOP  PRUMS BEHIND MAINTENANCE SHOP  COMMON NAMETRADE NAME. PROPANE  I STORAGE LOCATIONS AT SITE IN THE PRANCE OF THE MAINTENANCE SHOP  I STORAGE LOCATIONS AT SITE OUT OF THE PROPANE  I ST		4.5 6.5 65996-92-1
STORAGE LOCATIONS AT SITE: IN TANK FARM, TANK #19 AND I CERTIFIED AND PRIVATE STORAGE LOCATIONS AT SITE: IN TANK FARM, TANK #19 AND I CERTIFIED AND I COMMON NAME: TRADE NAME: PROPANE  [	2 - NO LONGER 2 3 2 3 4 3 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	
COMMON NAMETRADE NAME: PROPANE  INTERNATION:		UN/NA NO. (IF KNOWN)
COMMON NAME/TRADE NAME: PROPANE  IN HIGHEST CONCENTRATION: PROPANE  2 1-MINERAL MANAGE	N DRUMS BEHIND MAINTENANCE SHOP	2000
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PROPAME    1		3082
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PROPAME    1		
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PROPAME    1		
IN HIGHEST CONCENTRATION: PROPANE  2   1-RME	COMMON NAME/TRADE NAME: PROPANE	
PITCH   STATE   MASKING   CORP   CO		
PARK   COMMON NAME/PRADE NAME: QUINOLINE REFINED   COMMON NAME/PRADE NAME: REFINED   COMMON NAME/PRADE NAME: REFINED   COMMON NAME/PRADE NAME: REFINED   COMMON NAME/PRADE NAME: REFINED RAME NAME   COMMON NAME/PRADE NAME: REFINED RAME   COMMON NAME/PRADE NAME   COMMON NAME/PRADE NAME   COMMON NAME/PRADE NAME   COMMON NAME   COMMO		STORAGE CODE HAZARD CAS NO (IF KNOWN)
3 2 04 04 10 365  STORAGE LOCATIONS AT SITE OUT SIDE IN THE REAR OF THE MAINTENANCE BUILDING, IN FORK LIFTS IN SAME ARE  COMMON NAME/TRADE NAME: QUINOLINE REFINED  LINNAN NO. (IF KNOWN)  1075  LINNAN NO. (IF KNOWN)  1076  LINNAN NO. (IF KNOWN)  1077  LINNAN NO. (IF KNOWN)  1076  LINNAN NO. (IF KNOWN)  1077  LINNAN NO. (IF KNOWN)  1077  LINNAN NO. (IF KNOWN)  1077  LINNAN NO. (IF KNOWN)  107	1 - PURE STATE MEASURE CODE CODE YEAR CODE DAYS ON SITE USE TABLE II USE TABLE III USE	CLASSES
STORAGE LOCATIONS AT SITE  OUT SIDE IN THE REAR OF THE MAINTENANCE BUILDING, IN FORK LIFTS IN SAME ARE  A, AND IN CANNISTERS AT TRACK #5 LOADING STATION.  COMMON NAMETRADE NAME: QUINOLINE REFINED  COMMON NAMETRADE NAME: QUINOLINE REFINED  IN HIGHEST CONCENTRATION: QUINOLINE  FITSALE UNTO PROBLEM OF STORAGE CODE HAZARDOUS INCREDIENT  IN HIGHEST CONCENTRATION: QUINOLINE  FITSALE UNTO PROBLEM OF STORAGE CODE HAZARDOUS CLASSES  2 2 02 02 02 365  STORAGE LOCATIONS AT SITE  IN REAR OF LAB IN SAMPLE ROO  COMMON NAMETRADE NAME: REFINED TAR  HAZARDOUS INCREDIENT  IN HIGHEST CONCENTRATION: UNFORCED TAR  HAZARDOUS INCREDIENT  IN HIGHEST CONCENTRATION: UNFORCED TAR  HAZARDOUS INCREDIENT  IN HIGHEST CONCENTRATION: UNFORCED TAR  HAZARDOUS INCREDIENT  IN HIGHEST CONCENTRATION: HYDROCARBONS  COMMON NAMETRADE NAME: REFINED TAR  HAZARDOUS INCREDIENT  IN HIGHEST CONCENTRATION: HYDROCARBONS  COMMON NAMETRADE NAME: REFINED TAR  HAZARDOUS INCREDIENT  IN HIGHEST CONCENTRATION: HYDROCARBONS  COMMON NAMETRADE NAME: REFINED TAR  HAZARDOUS INCREDIENT  IN HIGHEST CONCENTRATION: HYDROCARBONS  COMMON NAMETRADE NAME: REFINED TAR  HAZARDOUS INCREDIENT  IN HIGHEST CONCENTRATION: HYDROCARBONS  COMMON NAMETRADE NAME: REFINED TAR  1. PROBLEM OF THE WASHINGTON OF THE WAS		
STORAGE LOCATIONS AT SITE UNTSIDE IN THE REAR OF THE MAINTENANCE BUILDING, IN FORK LIFTS IN SAME ARE A, AND IN CANNISTERS AT TRACK #5 LOADING STATION.  1075  COMMON NAME.TRADE NAME: QUINOLINE REFINED  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: QUINOLINE PHYSICAL UNTOF AVGANT MAX ANT, AMT PER NUMBER OF INSTANCE OF		2.1 6.3 0000074-98-6
A AND IN CANNISTERS AT TRACK #5 LOADING STATION.    COMMON NAME/TRADE NAME: QUINOLINE REFINED	2 - NO LONGER 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
A AND IN CANNISTERS AT TRACK #5 LOADING STATION.  COMMON NAME/TRADE NAME: QUINOLINE REFINED  LAZARDOUS INGREDIENT  IN HIGHEST CONCENTRATION: QUINOLINE  STATE LOS TABLE! USE TABLE!! USE T	STORAGE LOCATIONS AT SITE OUTSIDE IN THE REAR OF THE M	UN/NA NO. (IF KNOWN)
COMMON NAME/TRADE NAME: QUINOLINE REFINED  HAZARDOUS INCREDIENT IN HIGHEST CONCENTRATION: QUINOLINE    PINE	AINTENANCE BUILDING, IN FORK LIFTS IN SAME ARE	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: QUINOL INE    PIPESICAL UNIT OF STATE MEASURE COOP COPE VEAR COOP DAYS ON SITE STATE MEASURE COST VEAR COOP DAYS ON SITE STATE MEASURE COST VEAR COOP DAYS ON SITE STATE WAS AND CORE VEAR COOP D	A, AND IN CANNISTERS AT TRACK #5 LOADING STATIO	N. 1075
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: QUINOL INE    PIPESICAL UNIT OF STATE MEASURE COOP COPE VEAR COOP DAYS ON SITE STATE MEASURE COST VEAR COOP DAYS ON SITE STATE MEASURE COST VEAR COOP DAYS ON SITE STATE WAS AND CORE VEAR COOP D		
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: QUINOL INE    PIPESICAL UNIT OF STATE MEASURE COOP COPE VEAR COOP DAYS ON SITE STATE MEASURE COST VEAR COOP DAYS ON SITE STATE MEASURE COST VEAR COOP DAYS ON SITE STATE WAS AND CORE VEAR COOP D		
IN HIGHEST CONCENTRATION: QUINOL INE    PHYSICAL UNIT OF AVG. ANT. MAX. ANT. COOPE COOPE VER. COOPE VER. COOPE VER. COOPE DAYS ON SITE STORAGE CODE CLASSES CLAS NO. (IF KNOWN)   PHYSICAL USE TABLE! USE TABLE!! USE TABLE!!! SE TABLE!! USE TABLE!!! USE TABLE!!! USE TABLE!! USE TABLE!!! USE TABLE!! USE TABLE!!! USE TABLE!! USE TABLE!! USE TABLE		
1 - PURE   STATE   WILSTON   MAX AMT.   MAY AMT.   MA	The street was a second	
1 - PURE 2 - MINTURE 2 - MINTURE 2 - MINTURE 3 - PURE 3 -	ZUINULINE	HAZARD CAS NO (JE KNOWN)
2 2 02 02 02 365  2 NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE IN REAR OF LAB IN SAMPLE ROO  COMMON NAME-TRADE NAME: REFINED TAR HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDROCARBONS  1 - PURE 2 - MIXTURE 3 DIGGY NO.  1 - NO LONGER 3 D	1 - PURE STATE MEASURE CODE CODE YEAR CODE DAYS ON SITE USE TABLE II USE TABLE III USE	CLASSES
STORAGE LOCATIONS AT SITE  IN REAR OF LAB IN SAMPLE ROO  LIVINA NO. (IF KNOWN)  1760  COMMON NAME/TRADE NAME: REFINED TAR HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDROCARBONS  PHYSICAL COIT OF STATE CODE CODE STABLE II USE TABLE III	1 12 - MIXTURE	· · · · · · · · · · · · · · · · · · ·
STORAGE LOCATIONS AT SITE IN REAR OF LAB IN SAMPLE ROO  LUN/NA NO. (IF KNOWN)  1760  COMMON NAME/TRADE NAME: REFINED TAR HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDROCARBONS  PHYSICAL CNIT OF AVG. AMT. MAX. AMT. AMT. PER NUMBER OF STORAGE CODE CLASSES STORAGE LOCATIONS AT SITE IN TANK CARS ON TRACK #3 OR  STORAGE LOCATIONS AT SITE IN TANK CARS ON TRACK #3 OR  #5  UN/NA NO. (IF KNOWN)  1760  UN/NA NO. (IF KNOWN)  UN/NA NO. (IF KNOWN)  UN/NA NO. (IF KNOWN)  UN/NA NO. (IF KNOWN)	2 2 02 02 02 365	8.0 00091-22-5
TOMMON NAME/TRADE NAME: REFINED TAR HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDROCARBONS  PHYSICAL UNIT OF AVG.AMT. MAX.AMT. AMT. PER DAYS ON SITE STORAGE CODE CLASSES 2: MINTLRE 2: MINTLRE 2: VIDLANGER REFORMARLE 3: NEW REFORMARLE 3: NEW REFORMARLE 4: NEW STORAGE LOCATIONS AT SITE IN TANK CARS ON TRACK #3 OR  #5  1760  1	2 - NO LONGER	
COMMON NAME/TRADE NAME: REFINED TAR HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDROCARBONS  PHYSICAL UNIT OF AVG. ANT. MAX. ANT. PER NUMBER OF STORAGE CODE CLASSES CAS NO.(IF KNOWN)  The code code code code code code classes code code classes code code classes code code classes code code classes code code classes code code classes code code classes code code classes code code classes code code classes code code classes code code classes code code classes code code classes code classes code code classes code code classes code code classes code code classes code code classes code code code code code code code code	STORAGE LOCATIONS AT SITE IN REAR OF LAR IN SAMPLE ROO	UN/NA NO. (IF KNOWN)
COMMON NAME/TRADE NAME: REFINED TAR  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDROCARBONS  PHYSICAL UNIT OF AVG.ANT. MAX.ANT. AMT. PER NUMBER OF STORAGE CODE CLASSES C	M	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDROCARBONS  PHYSICAL UNIT OF STATE MEASURE CODE CODE YEAR CODE DAYS ON SITE STORAGE CODE CLASSES  1 - PURE USE TABLE I USE TABLE II USE TABLE III USE		1760
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDROCARBONS  PHYSICAL UNIT OF STATE MEASURE CODE CODE YEAR CODE DAYS ON SITE STORAGE CODE CLASSES  1 - PURE USE TABLE I USE TABLE II USE TABLE III USE		]
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDROCARBONS  PHYSICAL UNIT OF STATE MEASURE CODE CODE YEAR CODE DAYS ON SITE STORAGE CODE CLASSES  1 - PURE USE TABLE I USE TABLE II USE TABLE III USE		]
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDROCARBONS  PHYSICAL UNIT OF STATE MEASURE CODE CODE YEAR CODE DAYS ON SITE STORAGE CODE CLASSES  1 - PURE USE TABLE I USE TABLE II USE TABLE III USE	COMMON NAME/TRADE NAME: REFINED TAR	
PHYSICAL UNIT OF AVG. AMT. MAX. AMT. PER NUMBER OF STORAGE CODE CODE VEAR CODE DAYS ON SITE USE TABLE II USE TABLE III USE TABLE	HAZARDOUS INGREDIENT	
1 - PURE   2 - MIXTURE   CSE TABLE     USE TABLE		0.4700
2 2 30 30 40 365 Q 1 5 A 1 5 4.2  1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE IN TANK CARS ON TRACK #3 OR  #5  3257	STATE MEASURE CODE CODE YEAR CODE DAYS ON SITE	STORAGE CODE CLASSES CAS NO.(II MNOWN)
2 2 30 30 40 365 A 1 5 4.2 0065996-93-2 2 NO LONGER REPORTABLE IN TANK CARS ON TRACK #3 OR UN/NA NO. (IF KNOWN)  3257		
STORAGE LOCATIONS AT SITE IN TANK CARS ON TRACK #3 OR  #5  3257	2 2 30 30 40 365	
STORAGE LOCATIONS AT SITE IN TANK CARS ON TRACK #3 OR UN/NA NO. (IF KNOWN)  3257	2 - NO LONGER	
#5 3257		UN/NA NO. (IF KNOWN)
3257	IN TANK CARS ON TRACK #3 OR	
OSFMR131	·· •	3257
OSFMB131		

# 1996-1997 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number 006202

SECTION D

COMMON NAME/TRADE NAME: SODIUM HYDROXIDE HAZARDOUS INGREDIENT				j
IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE			CORROSIVE	
	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 2 · MIXTURE		I 1 4		0001210 72 0
1 1 1 10 10 11 1 1 1 1 1 1 1 1 1 1 1 1	365 [ ]		8.0 6.3	0001310-73-2
STORAGE LOCATIONS AT SITE IN BOILER ROOM E END				UN/NA NO. (IF KNOWN)
	L_			1602
<b>-</b>				1823
COMMON NAME/TRADE NAME: SODIUM SULFITE		<b>E</b>		
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: SODIUM SULFITE			IRRITANT	]
STATE MEASURE CODE CODE YEAR CODE D	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
2 MIXTURE CSE IABLE II CSE IABLE III CSE IABLE III CSE IABLE III	3 DIGIT NO.	(USE TABLE IV & V)  1 1 4	USE TABLE VI	
1 1 10 10 11	365		6.3	0007757-83-7
REPORTABLE				UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE IN BOILER ROOM E END				
	*************************			0000
[			]	
COMMON NÅME/TRADE NAME: TAR REFINED		[		]
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM HYDROCARI	RANC	f		1
PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. PER STATE MEASURE CODE CODE YEAR CODE D	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
1 - PURE USE TABLE II USE TABLE III	3 DIGIT NO.	(USE TABLES IV & V) 5	USE TABLE VI	
2 2 20 20 21 1 NEW 5 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	365	F::::3 F::::3 F:::3	4.5 0	0065996-93-2
2 - NO LONGER REPORTABLE				UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE ON ASPHALT AT REAR OF MIANCE SHOP AND NORTH OF TRACT #5 LOADING				
N.	317(72		_	3082
<u>[</u>				
COMMON NAME/TRADE NAME: XY LENE				
HAZARDOUS INGREDIENT		<b>1</b> 0000		
	NUMBER OF	STORAGE CODE	HAZARD	CAS NO.(IF KNOWN)
1 - PURE STATE MEASURE CODE CODE YEARCODE D 2 - MIXTURE USE TABLE II USE TABLE III USE TABLE III	3 DIGIT NO.	(USE TABLES IV & V)	CLASSES USE TABLE VI	
2 2 03 03 03	365	D 1 4 N 1 4	3.2 6.3	0001330-20-7
1 - NEW 2 - NO LONGER REPORTABLE				I I I I I I I I I I I I I I I I I I I
STORAGE LOCATIONS AT SITE IN METAL DRUM OUTSIDE U	W END			UN/NA NO. (IF KNOWN)
F LAB ALSO IN PLASTIC BOTTLE IN LAB	L			1307
E .			]	OSFMB131

1DATE: 110698

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# KOPPERS INDUSTRIES INC. CARBON MATERIALS & CHEM. DIVSN

MONTH TO DATE NET SALES BY PLANT FOR THE PERIOD OCTOBER 98

PROGRAM ID SLRIP0740

PAGE: 0020

IPLANT: 9270 NORTHWEST TAR

i 1 Commodity	<b>.</b>	Yad-di Hiyad		YEAR-	TO-DATE		PEINE	YEAR-TO-DATE	<del>.</del>
1 (4000001)	QUANTITY								
	Q-3: N T : 1 T 1	18102111	141114	. 4011111	(11/2/2011)	IMIT	43111111	1 11(0))(4)	1 15711-
100000000	0	0	0.0000	0	0	0.0000	0	45	0.0000
TICREOSOTE P1/P13	238,320	32,766	0.1330	2,037,230	300,380	0.1474	2,624,515	262,328	0.1077
117330001	0	1,016-	0.0000	471.000	38: . 6.6.1	0.0880	0	0	0.0000
117340001	10	'70	9.0000	2,505	3,791	1.5133	0	0	0.0000
TERIMONE AND REFRACT	0	. 0	0.0000	330	2,752	8.9454	2,585	E1,684	8.3883
IPAVEMENT SEALER BAS	0	1,037-	0.0000	532,540	77.477	0.1572	. 737,080	121,274	0.1536
) IREFINED TAR K-1505	1.650	710	0.4303	18. <i>6</i> 50	5,446	0.4305	121,190	46,801	0.3861
MREFINED TAR STC BLE	0	0	0.0000	0	. 0	0.0000	424,130	104,327	0.2471
112'040-M (WHITE)	0	0	0.0000	0	٤	0.0000	68	1.360	20.0000
)137100001	1,191	100,474	:34.3610	16,955	1,272,509	75.0137	0	0	0.0000
ICARDON PITCH - HARD	0	0	0.0000	0	7,851-	0.0000	590,144	81,846	0.1535
ICARBON PITCH HARD P	2,034,900	257.445	0.1255	12,037,740	1,550,851	0.1276	7,440,740	943.876	0.1265
ECARBON FOTCH LOQUID	()	0	0.0000	87,840	12,570	0.1399	0	0	0.0000
ACARGON PITCH MELITED	4,134,589	668.176	0.1601	49.313.500	7,986,453	0.1503	47,597,130	7,304,350	0.1533
ECARBON PORCH MELTED	8,491,100	398,208	0.1574	2,491,100	387,780	0.155&	12,104,654	1,901,145	0.1570
14:3:200001	0	0	0.0000	0	0	0.0000	1,003,640	117.741	0.1169
STARGET FOTCH FENCIL	120,540	18.149	0.1500	1,155,980	173,048	0.1497	1,595,240	235,994	0.1479
∍indwref PALTS	0	0	0.0000	0	0	0.0000	1	10	10.0000
HOREOSOTE CAMPATON E	5,258	13)	0.0064	47,865	119	0.0024	107,477	278	0.0024
177800001	0	0	0.0000	0	:31	0.0000	0	150	0.0000
\j									
)1 F1.AN	t total	1,460,128			11,836,817			11,464,313	
11									•

Due Date: NOVEMBER 30, 1998

#### 1997-1998

Facility ID Number 006202

#### OREGON STATE FIRE MARSHAL

HAZARDOUS SUBSTANCE INFORMATION SURVEY PLEASE TYPE OR PRINT ONLY CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA  THE SECTION AT THE PROPERTY OF THE P
HAZARDOUS SUBSTANCE PRESENCE Check the correct box to the left.  XYES NO NO Are there hazardous substances present at this site in reportable quantities?  If yes, complete sections A, B, C, and D. If no, complete sections A, B and C.  A hazardous substance is any substance for which a Material Safety Data Sheet (MSDS) is required. If a previously
reported substance is no longer present, see instructions for Section A.  YES X NO Are there Extremely Hazardous Substances (EHS) at this site that meet the threshold planning quantities?
YES X NO Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?
SECTION B DEMOGRAPHIC DATA Complete, correct or add information in the [bracketed] areas.
1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES AND INTERMEDIATES
2. SIC CODE 2: DEFINITION:
3. BUSINESS ACTIVITY: CREOSOTE & COAL TAR PITCH TERMINAL
4. DUN & BRADSTREET #: 02-773-4359 [
5. MANAGER'S NAME: AMOS S KAMERER [
6. SEND TO ATTENTION OF: AMOS S KAMERER [
7. E-MAIL ADDRESS: [amos_kamerer@koppers.com]
8. BUSINESS NAME: KOPPERS INDUSTRIES INC 9. DEPT OR DIV:
10.SITE ADDRESS: 7540 NW ST HELENS RD  CITY: PORTLAND  COUNTY: MULTNOMAH  COUNTY: MULTNOMAH  COUNTY: MULTNOMAH  COUNTY: MULTNOMAH
STATE: 0R ZIP CODE: 97210-3663 STATE: 0R ZIP CODE: 97210-3663  12. BUSINESS PHONE: 503-286-3681 13. NUMBER OF EMPLOYEES AT THIS SITE: 11
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: 15. EMERGENCY CONTACT PHONES:
AMOS S KAMERER  DAY 503-286-3681  NIGHT 503-246-8045  [
SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service needs to know in case of an emergency.
17. XYES NO WRITTEN EMERGENCY PLAN. IF YES, LOCATION: Office, melter control room
18. YES X NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. XYES NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704? 20. YES NO ARE OTHER TYPES OF PLACARDS USED?
20. YES NO ARE OTHER TYPES OF PLACARDS USED?  AMOS S KAMERER  SECTION C PERSON COMPLETING FORM  This person will be contacted to answer any questions needing clarification.
1. PRINT NAME: Amcs S. Kamerer 7540 NW ST HELENS RD
2. SIGNATURE (REQUIRED): PORTLAND OR 97210-3663
3. DATE SURVEY COMPLETED (1/18/98

CC', T. SELF J. Mag. innweti RETAIN A COPY OF THIS SURVEY FOR 3 YEARS
PLEASE TYPE OR PRINT ALL ANSWERS. THANK-YOU

### 1997-1998 OREGON STATE FIRE MARSHAL.

Facility ID Number

SECTION D

HAZARDOUS SUBSTANCE INFORMATION SURVEY 2 006202 SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE BRACKETED AREAS

•	and the second s		
COMMON NAME/TRADE NAME: ACETONE			J
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ACETONE			
	Liiiii	HAZARD	arana ananana
STATE MEASURE CODE CODE CODE DAYS ON SITE	STORAGE CODE	CLASSES	CAS NO. (IF KNOWN)
USE TABLE I USE TABLE II USE TABLE III OSE T	USE TABLES IV & V	USE TABLE VI	
2 2 01 01 365	F 1 4	3.2 6.3	0000067-64-1
	[:::::] [::::::]	r 3.2	[
1 - NEW 2 - NO LONGER [ ] [ ] [ ] [ [ ] [ [ ] ] [ [ ] ] [ [ ] ]		L JL J	
STORAGE LOCATIONS AT SITE IN LAB AT W END OF BLDG			UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE IN LAB AT W END OF BLDG	Emily Emily Emily		-
· .	÷		1090
			1070
CONTROL LASTINETY	r		
COMMON NAME/TRADE NAME: ACETYLENE	E SSSS		
HAZARDOUS INGREDIENT	<b>2</b> 0000		***************************************
IN HIGHEST CONCENTRATION: ACETYLENE			
EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I USE TABLE II USE TABLE III USE TABLE III USE TABLE III 3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
1 - PURE 2 - MIXTURE	L 2 4		
		2.1 6.3	0000074-86-2
1-NBW [ ] [ ] [ ] [ ] [ [11 ] [00 ] [			
2 - NO LONGER REPORTABLE			UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE IN MAINTENANCE SHOP IN REAR			UN/NA NO. (IF KNOWN,
OF BLDG. 2 CYLINDERS ON 2 PORTABLE CARTS IN FR			•
ONT OF SHOP INSIDE			1001
		7	
		<u>_</u>	
COMMON NAME/TRADE NAME: COAL TAR PITCH	ſ		
HAZARDOUS INGREDIENT			
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PYRENE	[ [ [ ]	HAZARD	CAS NO. (JE KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PYRENE  BHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE	STORAGE CODE	CLASSES	CAS NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PYRENE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III USE	USE TABLES IV & V		CAS NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PYRENE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III		CLASSES USE TABLE VI	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PYRENE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE  USE TABLE II USE TABLE III  USE TABLES IV & V	CLASSES USE TABLE VI	CAS NO. (IF KNOWN)  0065996-93-2	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PYRENE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III	USE TABLES IV & V	CLASSES USE TABLE VI	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PYRENE  EHS 112(r) PHYSICAL UNIT OF AVG AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE  USE TABLE II USE TABLE III USE	USE TABLES IV & V R 1 4	CLASSES USE TABLE VI	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PYRENE  EHS 112(r) PHYSICAL UNIT OF AVG.AMT. MAX.AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE II USE TABLE III USE TABLE I	USE TABLES IV & V	CLASSES USE TABLE VI	0065996-93-2
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PYRENE  EHS 112(r) PHYSICAL UNIT OF AVG AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE  USE TABLE II USE TABLE III USE	USE TABLES IV & V R 1 4	CLASSES USE TABLE VI	0065996-93-2 [] Un/na no. (if known
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PYRENE  EHS 112(r) PHYSICAL UNIT OF AVG AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE  USE TABLE II USE TABLE III USE	USE TABLES IV & V R 1 4	CLASSES USE TABLE VI	0065996-93-2
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#### 1997-1998 OREGON STATE FIRE MARSHAL. HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number

006202

SECTION D

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COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT	CREOSOTE	•	-			]
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	COAL TAR PI			L®		
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		TT. IN AMT. OUT ODE CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
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	TANK FARM, T					
AND #67, OR POSSIBLY	IN A KAIL C	CAR ON TR	ACK # L			
3						3082
		•				
COMMON NAME/TRADE NAME:	DIFSEL #2			<b>.</b>		
COMMON NAME/TRADE NAME:	DIESEL #2	-				
HAZARDOUS INGREDIENT		10711117	T.C.			
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	PETROLEUM D			[		
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	PETROLEUM D	IT. IN AMT. OUT	NUMBER OF	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
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HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AN STATE MEASURE 1 - PURE 2 - MIXTURE 2 - NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE  NT OF MAINTENANCE SHO  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AN STATE MEASURE USE TABLE I USE TABLE II  USE TABLE II USE TABLE II USE TABLE II USE TABLE II USE TABLE I	PETROLEUM D  VG. AMT. MAX. AMT. AM  CODE CODE CO  E TABLE III USE TABLE III USE T  O 4	OT IN AMT. OUT CODE CODE CODE CODE CODE CODE CODE CODE	NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  N FRO  NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE  USE TABLES IV & V  E  1  STORAGE CODE  USE TABLES IV & V  N  1  4  F  1  4	CLASSES USE TABLE VI  3.36.4  [	0068476-34-6 [ ] UN/NA NO. (IF KNOWN)  1993 [ ] CAS NO. (IF KNOWN)  0008006-61-9
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AN STATE MEASURE USE TABLE I USE TABLE II USE 1 - PURE 2 - NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE IN  NT OF MAINTENANCE SHO  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AN STATE MEASURE USE TABLE II USE TABLE II USE  1 - PURE 2 - MINTURE 2 - MINTURE 2 - NO LONGER REPORTABLE	PETROLEUM D  VG. AMT. MAX. AMT. AM  CODE CODE CO  E TABLE III USE TABLE III USE T  O 4	OT IN AMT. OUT CODE CODE CODE CODE CODE CODE CODE CODE	NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  N FRO  N FRO  S DIGIT NO.  365  A DIGIT NO.  365	USE TABLES IV & V E 1 4  [ ] [ ] [ ] [ ] [ ] STORAGE CODE  USE TABLES IV & V N 1 4	CLASSES USE TABLE VI  3.36.4  [	0068476-34-6 [ ] UN/NA NO. (IF KNOWN)  1993 [ ]
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AN STATE MEASURE USE TABLE I USE TABLE II USE 1 - PURE 2 - NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE IN TOF MAINTENANCE SHOP  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AN STATE WEASURE USE TABLE II USE TA	PETROLEUM D  OGAMT: MAX. AMT. AM  CODE CODE CO  E TABLE III USE TABLE III USE T  O4 O4  PLASTIC DRUM  POUTSIDE  GASOLINE  PETROLEUM D  OGAMT: MAX. AMT. AM  CODE CODE CODE  E TABLE III USE TABLE III USE T  O2 O2  O1L STORAGE	AMT. OUT CODE CODE CODE CODE CODE CODE CODE CODE	NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  N FRO  S NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  MAINT	STORAGE CODE  USE TABLES IV & V  E  1  STORAGE CODE  USE TABLES IV & V  N  1  4  F  1  4	CLASSES USE TABLE VI  3.36.4  [	0068476-34-6 [ ] UN/NA NO. (IF KNOWN)  1993 [ ] CAS NO. (IF KNOWN)  0008006-61-9
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AN STATE MEASURE USE TABLE II USE	PETROLEUM D  VG. AMT. MAX. AMT. AM  CODE CODE CO  E TABLE III USE TABLE III USE T  O 4	AMT. OUT CODE CODE CODE CODE CODE CODE CODE CODE	NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  N FRO  S NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  MAINT	STORAGE CODE  USE TABLES IV & V  E  1  STORAGE CODE  USE TABLES IV & V  N  1  4  F  1  4	CLASSES USE TABLE VI  3.36.4  [	0068476-34-6 [ ] UN/NA NO. (IF KNOWN)  1993 [ ]  CAS NO. (IF KNOWN)  0008006-61-9 [ ]  UN/NA NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AN STATE MEASURE USE TABLE I USE TABLE II USE 1 - PURE 2 - NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE IN TOF MAINTENANCE SHOP  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AN STATE WEASURE USE TABLE II USE TA	PETROLEUM D  OGAMT: MAX. AMT. AM  CODE CODE CO  E TABLE III USE TABLE III USE T  O4 O4  PLASTIC DRUM  POUTSIDE  GASOLINE  PETROLEUM D  OGAMT: MAX. AMT. AM  CODE CODE CODE  E TABLE III USE TABLE III USE T  O2 O2  O1L STORAGE	AMT. OUT CODE CODE CODE CODE CODE CODE CODE CODE	NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  N FRO  S NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  MAINT	STORAGE CODE  USE TABLES IV & V  E  1  STORAGE CODE  USE TABLES IV & V  N  1  4  F  1  4	CLASSES USE TABLE VI  3.36.4  [	0068476-34-6 [ ] UN/NA NO. (IF KNOWN)  1993 [ ] CAS NO. (IF KNOWN)  0008006-61-9
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AN STATE MEASURE USE TABLE II USE	PETROLEUM D  OGAMT: MAX. AMT. AM  CODE CODE CO  E TABLE III USE TABLE III USE T  O4 O4  PLASTIC DRUM  POUTSIDE  GASOLINE  PETROLEUM D  OGAMT: MAX. AMT. AM  CODE CODE CODE  E TABLE III USE TABLE III USE T  O2 O2  O1L STORAGE	AMT. OUT CODE CODE CODE CODE CODE CODE CODE CODE	NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  N FRO  S NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  MAINT	STORAGE CODE  USE TABLES IV & V  E  1  STORAGE CODE  USE TABLES IV & V  N  1  4  F  1  4	CLASSES USE TABLE VI  3.3 6.4  [	0068476-34-6 [ ] UN/NA NO. (IF KNOWN)  1993 [ ]  CAS NO. (IF KNOWN)  0008006-61-9 [ ]  UN/NA NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AN STATE MEASURE USE TABLE II USE	PETROLEUM D  OGAMT: MAX. AMT. AM  CODE CODE CO  E TABLE III USE TABLE III USE T  O4 O4  PLASTIC DRUM  POUTSIDE  GASOLINE  PETROLEUM D  OGAMT: MAX. AMT. AM  CODE CODE CODE  E TABLE III USE TABLE III USE T  O2 O2  O1L STORAGE	AMT. OUT CODE CODE CODE CODE CODE CODE CODE CODE	NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  N FRO  S NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  MAINT	STORAGE CODE  USE TABLES IV & V  E  1  STORAGE CODE  USE TABLES IV & V  N  1  4  F  1  4	CLASSES USE TABLE VI  3.3 6.4  [	0068476-34-6 [ ] UN/NA NO. (IF KNOWN)  1993 [ ]  CAS NO. (IF KNOWN)  0008006-61-9 [ ]  UN/NA NO. (IF KNOWN)

# 1997-1998 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number

006202

SECTION D

COMMON NAME/TRADE NAME: HEAVY CREOSOTE DISTILLATE			_
HAZARDOUS INGREDIENT		,	
IN HIGHEST CONCENTRATION: CREOSOTE			
EHS PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE	STORAGE CODE	CLASSES	AS NO. (IF KNOWN)
USE TABLE II USE TABLE III USE	USE TABLES IV & V	USE TABLE VI	
	2 1 5	4.5 6.5 0	065996-92-1
1 · NEW 2 · NO LONGER [ ] [ ] [ ] [ 30 ] [ 00 ] [ ]			
STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #17 AND			JN/NA NO. (IF KNOWN)
#33 OR POSSIBLY IN A RAIL CAR ON TRACK #3			<del></del> .
			3082
			[ ]
			п
COMMON NAME/TRADE NAME: LIGHT CREOSOTE DISTILLATE.	[		_
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREDSOTE	· •		
IN HIGHEST CONCENTRATION: CREOSOTE    Bels	CERT COLD	HAZARD C	AS NO. (IF KNOWN)
STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE II USE TABLE III	STORAGE CODE USE TABLES IV & V	CLASSES USE TABLE VI	AS NO. (IT MOWN)
1 - PURE 2 - MIXTURE	A 1 5		
1 1 2 2 30 30 30 30 365 365 365 365 365 365 365 365 365 365	2 1 5	4.5 6.5 0	1065996-92-1
2 - NO LONGER REPORTABLE			INTOTA NO. (IE KNOWN)
STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #4 AND #			JN/NA NO. (IF KNOWN
23, OR POSSIBLY IN A RAIL CAR ON TRACK #3			2000
T		·	3082
CONDICON NAME OF A DESCRIPTION OF A CASE OF A CASE OF	OTTILITE E		
COMMON NAME/TRADE NAME: METHYL SOLVENT CREOSOTE DI	STILLATE [		
COMMON NAME/TRADE NAME: METHYL SOLVENT CREOSOTE DI HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE	STILLATE [		
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE    RHS	STILLATE [	HAZARD CLASSES	AS NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE  LEIS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III USE TABLE	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	AS NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  CREOSOTE  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE  1. PURE 2. MIXTURE  1. PURE 2. MIXTURE	STORAGE CODE	CLASSES USE TABLE VI	AS NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  CREOSOTE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE II USE TABLE III USE TABLE I	STORAGE CODE USE TABLES IV & V A 1 5	CLASSES USE TABLE VI	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE  EHS 112(r) PHYSICAL UNIT OF AVG AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE  1. PURE 2. MIXTURE 2. MIXTURE 2. NO LONGER REPORTABLE II USE TABLE II USE TABLE III USE TABLE	STORAGE CODE USE TABLES IV & V A 1 5 Q 1 5	CLASSES USETABLEVI  4.5 6.5	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF CODE CODE CODE CODE CODE DAYS ON SITE  1. PURE 2 MIXTURE 2 2 30 30 30 365  1. NEW 2 NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE IN TANK FARM, TANK #3 OR POS	STORAGE CODE USE TABLES IV & V A 1 5	CLASSES USETABLEVI  4.5 6.5	0065996-92-1
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE  EHS 112(r) PHYSICAL UNIT OF AVG AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE  1. PURE 2. MIXTURE 2. MIXTURE 2. NO LONGER REPORTABLE II USE TABLE II USE TABLE III USE TABLE	STORAGE CODE USE TABLES IV & V A 1 5 Q 1 5	CLASSES USETABLEVI  4.5 6.5	0065996-92-1
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF CODE CODE CODE CODE CODE DAYS ON SITE  1. PURE 2 MIXTURE 2 2 30 30 30 365  1. NEW 2 NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE IN TANK FARM, TANK #3 OR POS	STORAGE CODE USE TABLES IV & V A 1 5 Q 1 5	CLASSES USETABLEVI  4.5 6.5	0 0 6 5 9 9 6 - 9 2 - 1 JN/NA NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF CODE CODE CODE CODE CODE DAYS ON SITE  1. PURE 2 MIXTURE 2 2 30 30 30 365  1. NEW 2 NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE IN TANK FARM, TANK #3 OR POS	STORAGE CODE USE TABLES IV & V A 1 5 Q 1 5	CLASSES USETABLEVI  4.5 6.5	0 0 6 5 9 9 6 - 9 2 - 1 JN/NA NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF CODE CODE CODE CODE CODE DAYS ON SITE  1. PURE 2 MIXTURE 2 2 30 30 30 365  1. NEW 2 NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE IN TANK FARM, TANK #3 OR POS	STORAGE CODE USE TABLES IV & V A 1 5 Q 1 5	CLASSES USETABLEVI  4.5 6.5	0 0 6 5 9 9 6 - 9 2 - 1 JN/NA NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE    EHS	STORAGE CODE USE TABLES IV & V A 1 5 Q 1 5	CLASSES USETABLEVI  4.5 6.5	0 0 6 5 9 9 6 - 9 2 - 1 JN/NA NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE    EHS	STORAGE CODE  USE TABLES IV & V  A 1 5 Q 1 5 [ ] [ ] [ ]	CLASSES USETABLE VI  4.5 6.5	0065996-92-1 JN/NA NO. (IF KNOWN 3082
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE    STATE	STORAGE CODE  USE TABLES IV & V  A 1 5 Q 1 5 [ ] [ ] [ ] [ ]  STORAGE CODE	CLASSES USE TABLE VI  4.5 6.5	0 0 6 5 9 9 6 - 9 2 - 1 JN/NA NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE    STATE	STORAGE CODE  USE TABLES IV & V  A 1 5 Q 1 5 [ ] [ ] [ ]	CLASSES USE TABLE VI  4.5 6.5  HAZARD CLASSES USE TABLE VI	3082 CAS NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE  Lets 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF CODE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III	STORAGE CODE  USE TABLES IV & V  A 1 5 Q 1 5 [ ] [ ] [ ] [ ]  STORAGE CODE  USE TABLES IV & V	CLASSES USE TABLE VI  4.5 6.5  HAZARD CLASSES USE TABLE VI	0065996-92-1 JN/NA NO. (IF KNOWN 3082
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE    STATE	STORAGE CODE  USE TABLES IV & V  A 1 5 Q 1 5 [ ] [ ] [ ]  STORAGE CODE  USE TABLES IV & V  D 1 4	HAZARD CLASSES USE TABLE VI  4.5 6.5	3082 CAS NO. (IF KNOWN  0064742-54-7
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE    FIFS	STORAGE CODE  USE TABLES IV & V  A 1 5 Q 1 5 [ ] [ ] [ ] [ ]  STORAGE CODE  USE TABLES IV & V	HAZARD CLASSES USE TABLE VI  4.5 6.5	3082 CAS NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT CODE CODE CODE CODE DAYS ON SITE WEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE II USE TABLE III USE TABLE	STORAGE CODE  USE TABLES IV & V  A 1 5 Q 1 5 [ ] [ ] [ ]  STORAGE CODE  USE TABLES IV & V  D 1 4	HAZARD CLASSES USE TABLE VI  4.5 6.5	2065996-92-1  JN/NA NO. (IF KNOWN  3082  CAS NO. (IF KNOWN  0064742-54-7  UN/NA NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE    FIFS	STORAGE CODE  USE TABLES IV & V  A 1 5 Q 1 5 [ ] [ ] [ ]  STORAGE CODE  USE TABLES IV & V  D 1 4	HAZARD CLASSES USE TABLE VI  4.5 6.5	3082 CAS NO. (IF KNOWN  0064742-54-7
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CREOSOTE    FIFS	STORAGE CODE  USE TABLES IV & V  A 1 5 Q 1 5 [ ] [ ] [ ]  STORAGE CODE  USE TABLES IV & V  D 1 4	HAZARD CLASSES USE TABLE VI  4.5 6.5	2065996-92-1  JN/NA NO. (IF KNOWN  3082  CAS NO. (IF KNOWN  0064742-54-7  UN/NA NO. (IF KNOWN

# 1997-1998 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number

006202

SECTION D

· · · · · · · · · · · · · · · · · · ·	
COMMON NAME/TRADE NAME: NAPHTHALENE STILL RESIDUE HAZARDOUS INGREDIENT	
IN HIGHEST CONCENTRATION: NAPHTHALENE	
	CAS NO (JE KNOWN)
STATE MEASURE CODE CODE CODE DAYS ON SITE	STORAGE CODE CLASSES CAS NO. (IT KINOWN)
USE TABLE I USE TABLE II USE TABLE III OSE TABLE III USE T	USE TABLES IV & V USE TABLE VI
2 - MIXTURE	2 1 5
2 2 30 30 30 365	4.5 6.3 0073665-18-6
1 · NEW 2 · NO LONGER [ ] [ ] [ ] [ ] [ 30] [ 00] [ ]	
REPORTABLE	UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #34 AND	
#99, AND POSSIBLY IN A RAIL CAR ON TRACT #3/IN L	
TANK FARM/TANKS #34 AND #102 AND POSSIBLE IN A	RAILCAR ON TRACK #3 3082
	, , ,
COMMON NAME/TRADE NAME: OXYGEN	
HAZARDOUS INGREDIENT	
IN HIGHEST CONCENTRATION: OXYGEN	
V// 02/1	THOR CONT. HAZARD CAS NO (JE KNOWN)
STATE MEASURE CODE CODE CODE DAYS ON SITE	STORAGE CODE CLASSES CAS NO. (IF KNOWN)
USE TABLE II USE TABLE II USE TABLE III OSE	USE TABLES IV & V USE TABLE VI
2 - MIXTURE	L 2 4
	2.2 5.1 0007782-44-7
1 - NEW [ ] [ ] [ ] [ ] [ DO ] [ ]	
2 - NO LONGER REPORTABLE	UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE 6 CYLINDERS ON 3 CARTS IN RE	UN/NA NO. (IF KNOWN)
AR OF MAINTENANCE SHOP.	
,	1072
T.	
COMMON NAME/TRADE NAME: PERCHLOROFTHYLENE	
HAZARDOUS INGREDIENT	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE	WAZADO AND AND AND AND AND AND AND AND AND AND
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE  BEHS- 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE	STORAGE CODE HAZARD CAS NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE    IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE	USE TABLES IV & V USE TABLE VI
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE    PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE II USE TABLE III USE	USE TABLES IV & V USE TABLE VI USE TABLE VI
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE  EHS- 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE  USE TABLE II USE TABLE III USE T	USE TABLES IV & V USE TABLE VI
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE  EHS. 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE II USE TABLE III USE TAB	USE TABLES IV & V USE TABLE VI USE TABLE VI
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE  EHS_ 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE  USE TABLE II USE TABLE II USE TABLE III USE TABLE	USE TABLES IV & V D 1 4 6.3 6.4 0000127-18-4
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III US	USE TABLES IV & V USE TABLE VI USE TABLE VI
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE  EHS_ 112(r) PHYSICAL UNIT OF AVG AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE  1 - PURE 2 MOLTURE 2 MOLTURE 2 MOLTURE 2 MOLTURE 2 MOLTURE 2 MOLTURE 3 MOLTUR	USE TABLES IV & V D 1 4 6.3 6.4 0000127-18-4
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE    PHYSICAL UNIT OF SYATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III US	USE TABLES TV 4 V D 1 4 6.3 6.4 0000127-18-4
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE    PHYSICAL UNIT OF SYATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III US	USE TABLES IV & V D 1 4 6.3 6.4  [ ] [ ] [ ] [ ] UN/NA NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE    PHYSICAL UNIT OF SYATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III US	USE TABLES IV & V D 1 4 6.3 6.4  [ ] [ ] [ ] [ ] UN/NA NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE    PHYSICAL UNIT OF SYATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III US	USE TABLES IV & V D 1 4 6.3 6.4  [ ] [ ] [ ] [ ] UN/NA NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III US	USE TABLES IV & V D 1 4 6.3 6.4  UN/NA NO. (IF KNOWN)  1897
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE  EHS 112(r) PHYSICAL UNIT OF AVG AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE  USE TABLE II USE TABLE III US	USE TABLES IV & V D 1 4 6.3 6.4  UN/NA NO. (IF KNOWN)  1897
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III US	USE TABLES IV & V D 1 4 6.3 6.4  [ ] [ ] [ ] UN/NA NO. (IF KNOWN)  1897
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE  EHS_ 112(r) PHYSICAL UNIT OF AVG AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE  USE TABLE II USE TABLE III U	USE TABLES IV & V D 1 4 6 . 3 6 . 4 0000127 - 18 - 4 [ ] [ ] [ ] UN/NA NO. (IF KNOWN)  1897  ORIA HT
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III US	STORAGE CODE   CLASSES   CAS NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE  EHS	STORAGE CODE
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PERCHLOROETHYLENE  PERCHLOROETHYLENE  PERCHLOROETHYLENE  PERCHLOROETHYLENE  PERCHLOROETHYLENE  PERCHLOROETHYLENE  PERCHLOROETHYLENE  PERCHLOROETHYLENE  PERCHLOROETHYLENE  PAGAMT. MAX. AMT. IN MAT. IN MAT. OUT NUMBER OF CODE CODE CODE DAYS ON SITE  CODE CODE CODE CODE DAYS ON SITE  PERCHCOPE CODE CODE CODE DAYS ON SITE  PERCHCOPE CODE CODE CODE CODE CODE CODE DAYS ON SITE  PERCHCOPE CODE CODE CODE CODE CODE DAYS ON SITE  PERCHCOPE CODE CODE CODE CODE CODE DAYS ON SITE  PERCHCOPE CODE CODE CODE CODE CODE CODE CODE DAYS ON SITE  PERCHCOPE CODE CODE CODE CODE CODE CODE DAYS ON SITE  PERCHCOPE CODE CODE CODE CODE CODE CODE CODE DAYS ON SITE  PERCHCOPE CODE CODE CODE CODE CODE CODE DAYS ON SITE  PERCHCOPE CODE CODE CODE CODE CODE CODE DAYS ON SITE  PERCHCOPE CODE CODE CODE CODE CODE CODE CODE COD	CLASSES
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### 1997-1998 OREGON STATE FIRE MARSHAL

Facility ID Number

SECTION D

HAZARDOUS SUBSTANCE INFORMATION SURVEY , 006202 SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: 1	PRIMING AND RE	FACTORY OIL	<b>E</b>		]
IN HIGHEST CONCENTRATION: (	CREOSOTE				]
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COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT	PROPANE	· 	[		
	PROPANE				
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# 1997-1998 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number

006202

SECTION D

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HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	SODIUM HY	100VIDE			. [	-	
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COMMON NAME/TRADE NAME:	SODIUM SU	LF1TE	<del>-</del> ,		[		
HAZARDOUS INGREDIENT		A-	•		<b>e</b> 00000	*****************************	
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#### 1997-1998 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number

006202

SECTION D

COMMON NAME/TRADE NAME:	[6	range Solven	nt ]
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:			]
FHS 112(p)PHYSICAL UNIT OF AVG. AMT. MAX. AMT.   AMT. IN AMT. OUT NUMBER OF	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
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Oil house in maintenance building.	_		
	-	J	
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COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	[		
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### Department of State Police Office of State Fire Marshal

Office of State Fire Marshal 4760 Portland Road NE Salem, OR 97305-1760 (503) 378-6835

Internet: oregon.sfm@state.or.us

Quality Service First

#### **AVOID PENALTIES**

November 16, 1999

KOPPERS INDUSTRIES INC AMOS S KAMERER 7540 NW ST HELENS RD PORTLAND OR 97210-3663

FACILITY ID: 006202

LOCATION: 7540 NW ST HELENS RD PORTLAND

This is a reminder that your Hazardous Substance Information Survey is due by November 30, 1999. To **AVOID PENALTIES** be sure and mail the survey so it is postmarked no later than November 30, 1999.

Facilities that fail to submit their surveys on time are subject to a \$200 penalty. *Our office does not want to assess penalties* and for that reason we are sending this letter to those companies our records indicate have not submitted the survey.

If you have already submitted the survey, it may not have been processed at the time this notice was computer generated. To assure the survey has been received *call 503-378-6835*.

If you have lost your survey or <u>need assistance</u> in completing the survey information, *call 503-378-6835* and request to speak to a Compliance Auditor.

Thank you for your time.

Community Right to Know Unit

RECEIVED

NOV 1 7 1999

KOPPERS INDS, INC. PORTLAND OR

#### RETAIN A COPY OF THIS SURVEY FOR 3 YEARS

ORM COMPANY RETAIN A COPT OF TE	118 SURVEI F	OR 5 TEARS
Due Date: NOVEMBER 30, 1999	999	Facility ID Numbe
	E FIRE MARSHA	
HAZARDOUS SUBSTAN PLEASE TYPE OR PRINT ONLY CHANGES OR ADDITIONS IN THE	ICE INFORMATI	ON SURVEY THE RIGHT OR BELOW THE PREPRINTED DATA
SECTION A HAZARDOUS SUBSTANCE PRESENCE Cha		
YES NO Are there hazardous substances present at this sit		
YES NO Are there Extremely Hazardous Substances (EHS)		
YES NO Is this facility subject to the reporting requiremen	ts of Section 112(r) of the	Clean Air Act?
YES NO If you answered YES to ANY of the three above que Otherwise refer to side B of the enclosed green info	estions, check the NO bo ormation sheet.	x and proceed to Section B directly below.
SECTION B <u>DEMOGRAPHIC DATA</u> Complete, correct or a		
1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES	AND INTERMEDIAT	TES .
2. SIC CODE 2: DEFINITION:		
3. BUSINESS ACTIVITY: CREOSOTE & COAL TAR PITCH TERMINAL		
4. DUN & BRADSTREET #: 02-773-4359		
5. MANAGER'S NAME: AMOS S KAMERER		
6. SEND TO ATTENTION OF: AMOS S KAMERER		]
7. E-MAIL ADDRESS: AMOS_KAMERER@KOPPERS.COM	. [	]
8. BUSINESS NAME: KOPPERS INDUSTRIES INC	9. DEPT OR DIV:	
10. <u>SITE</u> ADDRESS: 7540 NW ST HELENS RD	11. MAILING ADDR	ESS: ST HELENS RD
	<b>[</b>	]
CITY: PORTLAND	CITY: PORTLA	ND
COUNTY: MULTNOMAH	COUNTY: MUL	TNOMAH
		<b>.</b>
STATE: 0R ZIP CODE: 97210-3663	STATE: OR	ZIP CODE: 97210-3663
12. BUSINESS PHONE: 503-286-3681 13. NU	JMBER OF EMPLOYEES	SAT THIS SITE: 11
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS AMOS S KAMERER		CY CONTACT PHONES: 286-3681 NIGHT 503-246-8045
	] [	
16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIR	E BUREAU	-
SPECIAL FIRE DEPARTMENT INFORMATION This section is	for information the fire ser	ice needs to know in case of an emergency.
17. XYES NO WRITTEN EMERGENCY PLAN. IF		
18 YES NO AUTOMATIC FIRE SUPPRESSION	·	
19. XYES NO ARE STORAGE BUILDINGS/TANK		
20. YES NO ARE OTHER TYPES OF PLACARD	S USED?	
	SECTION C PERS	ON COMPLETING FORM
AMOS S KAMERER		will be contacted to answer any questions needing clarification
KOPPERS INDUSTRIES INC	1. PRINT NAME:	Amos S. KAGLERER
7540 NW ST HELENS RD	2. SIGNATURE (REC	QUIRED):
PORTLAND OR 97210-3663	3. DATE: 11/23/8	9 PHONENO: (503) 286-3681
CC: T. Self, M. Ciller		49

DE\_\_\_\_/

For office use only R\_\_\_\_\_F

OSFMB130

### 1999 OREGON STATE FIRE MARSHAL

Facility ID Numbe

006202

Koppers012228

SECTION D

HAZARDOUS SUBSTANCE INFORMATION SURVEY SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: A HAZARDOUS INGREDIENT	ACETONE							
INTUICED CONTOUNTED A MICH.	ACETONE					[		
EHS 112(r) PHYSICAL UNIT OF AVG.		AMT. IN A		NUMBER OF DAYS ON SITE	STORAGE COI	DE .	HAZARD CLASSES	CAS NO. (IF KNOWN
1 - PURE 2 - MIXTURE USE TABLE I USE TABLE II USE TABLE II USE TABLE II		l		3 DIGIT NO.	F 1		USE TABLE VI	0000067-64-
1 · NEW 2 · NO LONGER	01   01   [ ]	01 [ ]	00 []	365 [ ]			3.2 6.3	UN/NA NO. (IF KNOW)
STORAGE LOCATIONS AT SITE 1N LA	AB AT W EI	ND OF	BLDG				Ę	1090
				L		<u> </u>		EPA PESTICIDE REGISTRATION NO.
in the lab at the west er	nd of the o	ffice t	ouildi	ng				
COMMON NAME/TRADE NAME:						<b></b>		
HAZARDOUS INGREDIENT	ACETYLENE			•		£333		
	ACETYLENE AMT. MAX. AMT.	AMT. IN	AMT OUT	NUMBER OF		<u>t</u>		G15 110 (FF F-0F)
EHS 112(r) PHYSICAL UNIT OF AVG. STATE MEASURE CO. USE TABLE II USE TABLE II USE TA	ODE CODE	CODE	CODE	DAYS ON SITE	STORAGE COL		HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE 2 - MIXTURE					L 2	4	0 1 / 2	0000074-86-2
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OF BLDG. 2 CYLINDERS OF ONT OF SHOP INSIDE					,	1		EPA PESTICIDE REGISTRATION NO.
in maintenance shop. 2 cy	ylinders on	2 port	table	carts.			]	
						iniana na company		
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT	BIG ORANG	E SOL	VENT			[		
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	BIG ORANG D-LIMONEN	E				[ [		
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS PHYSICAL UNIT OF AVG STATE MEASURE CO	D-LIMONEN C. AMT. MAX. AMT. ODE CODE	AMT. IN CODE	AMT. OUT	DAYS ON SITE	STORAGE CO.		HAZARD CLASSES	CAS NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:    EHS	D-LIMONEN C. AMT. MAX. AMT. ODE CODE	AMT. IN CODE	AMT. OUT	DAYS ON SITE	STORAGE CO. USE TABLES IV. D 1		HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVG STATE MEASURE CC USE TABLE I USE TABLE II	D-LIMONEN C. AMT. MAX. AMT. ODE CODE	AMT. IN CODE	AMT. OUT	DAYS ON SITE	USE TABLES IV		USE TABLE VI	00059 <b>89-27-</b>
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVE STATE MEASURE CO.  1 - PURE USE TABLE I USE TABLE II US	D-LIMONEN  G. AMT. MAX. AMT. ODE CODE TABLE III USE TABLE III U	AMT. IN CODE SE TABLE HILL  04	AMT. OUT CODE DEE TABLE III  00	DAYS ON SITE 3 DIGIT NO. 3 6 5	USE TABLES IV	<u>*</u> v	USE TABLE VI	· · · · · · · · · · · · · · · · · · ·
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVE STATE MEASURE CO.  1 - PURE USE TABLE I USE TABLE II US	D-LIMONEN E. AMT. MAX. AMT. ODE CODE TABLE III USE TABLE III	AMT. IN CODE SE TABLE HILL  04	AMT. OUT CODE DEE TABLE III  00	DAYS ON SITE 3 DIGIT NO. 3 6 5	USE TABLES IV	<u>*</u> v	USE TABLE VI	00059 <b>89-27-</b> 5 UN/NA NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVE STATE MEASURE CO.  1 - PURE USE TABLE I USE TABLE II US	D-LIMONEN  G. AMT. MAX. AMT. ODE CODE TABLE III USE TABLE III U	AMT. IN CODE SE TABLE HILL  04	AMT. OUT CODE DEE TABLE III  00	DAYS ON SITE 3 DIGIT NO. 3 6 5	USE TABLES IV	<u>*</u> v	USE TABLE VI	00059 <b>89-27-</b>
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVE STATE MEASURE CO.  1 - PURE USE TABLE I USE TABLE II US	D-LIMONEN  G. AMT. MAX. AMT. ODE CODE TABLE III USE TABLE III U	AMT. IN CODE SE TABLE HILL  04	AMT. OUT CODE DEE TABLE III  00	DAYS ON SITE 3 DIGIT NO. 3 6 5	USE TABLES IV	<u>*</u> v	USE TABLE VI	0005989-27-2 [ ] UN/NA NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVG STATE MEASURE CO USE TABLE I USE TABLE II	D-LIMONEN  G. AMT. MAX. AMT. ODE CODE TABLE III USE TABLE III U	E AMT. IN CODE SE TABLE III 04	AMT. OUT CODE DE TABLE III	DAYS ON SITE 3 DIGIT NO. 3 6 5	USE TABLES IV	<u>*</u> v	USE TABLE VI	0005989-27-2 [ ] UN/NA NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVE STATE MEASURE COUSE TABLE I USE TABLE II U	D-LIMONEN  AMT. MAX. AMT. ODE CODE TABLE III USE TABLE III	E AMT. IN CODE SE TABLE III 04	AMT. OUT CODE DE TABLE III	DAYS ON SITE 3 DIGIT NO. 3 6 5	USE TABLES IV	<u>*</u> v	USE TABLE VI	0005989-27-2 [ ] UN/NA NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVG STATE MEASURE CO USE TABLE I USE TABLE II	D-LIMONEN  AMT. MAX. AMT. ODE CODE  TABLE III USE TABLE II	AMT. IN CODE  JETABLE III L  O 4  MAINT  PITCH	AMT. OUT CODE SEE TABLE III  OO  BLDG	DAYS ON SITE 3 DIGIT NO. 3 65  NUMBER OF	USE TABLES IV		USE TABLE VI	0005989-27-2 [ ] UN/NA NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVG STATE MEASURE CO USE TABLE I USE TABLE II	D-LIMONEN  AMT. MAX. AMT. ODE CODE  O4 04  O4 04  HOUSE IN  COAL TAR  PYRENE  AMT. MAX. AMT. ODE CODE	AMT. IN CODE  AMT. IN CODE  MAINT  PITCH	AMT. OUT CODE  BLDG  AMT. OUT CODE	DAYS ON SITE 3 DIGIT NO. 3 65  NUMBER OF DAYS ON SITE	USE TABLES IV. D 1 [ ] [ ] [ ] STORAGE CO	DE &v	USE TABLE VI	UN/NA NO. (IF KNOWN  EPA PESTICIDE REGISTRATION NO.
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVG STATE MEASURE CO USE TABLE I USE TABLE II	D-LIMONEN  AMT. MAX. AMT. ODE CODE  O4 04  O4 04  HOUSE IN  COAL TAR  PYRENE  AMT. MAX. AMT. ODE CODE	AMT. IN CODE  AMT. IN CODE  MAINT  PITCH	AMT. OUT CODE  BLDG  AMT. OUT CODE	DAYS ON SITE 3 DIGIT NO. 3 65  NUMBER OF DAYS ON SITE	USE TABLES IV. D 1 [ ] [ ]	E DE	USE TABLE VI  4.5  HAZARD CLASSES	0005989-27-E UN/NA NO. (IF KNOWN  EPA PESTICIDE REGISTRATION NO.  CAS NO. (IF KNOWN)  0065996-93-2
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVG STATE MEASURE CO USE TABLE I USE TABLE II	D-LIMONEN  E. AMT. MAX. AMT. ODE CODE TABLE III USE TABLE	AMT. IN CODE  SE TABLE III U  O 4  MAINT  PITCH  AMT. IN CODE  USE TABLE III U  60	AMT. OUT CODE BE TABLE III  OO AMT. OUT CODE USE TABLE III	DAYS ON SITE 3 DIGIT NO. 3 6 5  NUMBER OF DAYS ON SITE 3 DIGIT NO.	USE TABLES IV. D 1 [ ] [ ] [ ] STORAGE CO	DE &v	USE TABLE VI  4 . 5  HAZARD CLASSES USE TABLE VI	0005989-27-E UN/NA NO. (IF KNOWN  EPA PESTICIDE REGISTRATION NO.  CAS NO. (IF KNOWN  0065996-93-2 UN/NA NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVG STATE MEASURE CO USE TABLE I USE TABLE II	D-LIMONEN  E. AMT. MAX. AMT. ODE CODE TABLE III USE TABLE	AMT. IN CODE  SE TABLE III U  O 4  MAINT  PITCH  AMT. IN CODE  USE TABLE III U  60  80	AMT. OUT CODE BLDG  AMT. OUT CODE CODE CODE CODE CODE CODE CODE CODE	NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  NUMBER OF DAYS ON SITE 3 DIGIT NO.  365	USE TABLES IV. D 1 [ ] [ ] [ ] STORAGE CO	DE &v	USE TABLE VI  4 . 5  HAZARD CLASSES USE TABLE VI	0005989-27-E UN/NA NO. (IF KNOWN  EPA PESTICIDE REGISTRATION NO.  CAS NO. (IF KNOWN)  0065996-93-2
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVG STATE MEASURE CO USE TABLE I USE TABLE II	D-LIMONEN  AMT. MAX. AMT. ODE CODE  TABLE III USE TABLE II	AMT. IN CODE  SE TABLE III U  O 4  MAINT  PITCH  AMT. IN CODE  USE TABLE III U  60  80	AMT. OUT CODE BLDG  AMT. OUT CODE CODE CODE CODE CODE CODE CODE CODE	NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  NUMBER OF DAYS ON SITE 3 DIGIT NO.  365	USE TABLES IV. D 1 [ ] [ ] [ ] STORAGE CO	DE AV	USE TABLE VI  4 . 5  HAZARD CLASSES USE TABLE VI	0005989-27-E UN/NA NO. (IF KNOWN  EPA PESTICIDE REGISTRATION NO.  CAS NO. (IF KNOWN  0065996-93-2 UN/NA NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVG STATE MEASURE CO USE TABLE I USE TABLE II	D-LIMONEN  AMT. MAX. AMT. ODE CODE  TABLE III USE TABLE II	AMT. IN CODE  SE TABLE III U  O 4  MAINT  PITCH  AMT. IN CODE  USE TABLE III U  60  80	AMT. OUT CODE BLDG  AMT. OUT CODE CODE CODE CODE CODE CODE CODE CODE	NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  NUMBER OF DAYS ON SITE 3 DIGIT NO.  365	USE TABLES IV. D 1 [ ] [ ] [ ] STORAGE CO	DE AV	USE TABLE VI  4 . 5  HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN  CAS NO. (IF KNOWN  O 65996-93-2 UN/NA NO. (IF KNOWN  O 77

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SECTION D

COMMON NAME/TRADE NAME: COAL TAR PITCH	<u></u>
HAZARDOUS INGREDIENT	
IN HIGHEST CONCENTRATION: PYRENE    I12(r)   PHYSICAL UNIT OF   AVG. AMT.   MAX. AMT.   AMT.   OUT   NUMBER OF	STORAGE CODE HAZARD CLASSES CAS NO. (IF KNOWN)
EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III OSE	STORAGE CODE HAZARD CLASSES CAS NO. (IF KNOWN) USE TABLES IV & V USE TABLE VI
1 · PURE 2 · MIXTURE	A 1 5 0065996-93-2
[ ] 2 2 41 52 52 52 365 1. NEW [ ] 50 ] 50 ] 60 ] 60 ]	4.5 6.4 [ UN/NA NO. (IF KNOWN
REPORTABLE	3077
STORAGE LOCATIONS AT SITE IN TANK FARM, TANK'S #65 AND #68	
# O O	EPA PESTICIDE REGISTRATION NO.
	1
	<u> </u>
COMMON NAME/TRADE NAME: CREOSOTE	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: COAL TAR PITCH VOLATILES	
EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF	STORAGE CODE HAZARD CLASSES CAS NO. (IF KNOWN)
STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE II USE TABLE III USE	USE TABLES IV & V USE TABLE VI
2   1-PURE   2   10   10   00   365	D 1 4   0008001-58-9   F 1 4   4.5 6.3
1 - NEW	UN/NA NO. (IF KNOWN
REPORTABLE	3082
STORAGE LOCATIONS AT SITE LAB IN REAR SAMPLE ROOM, AND ON ASPHALT IN REAR OF MAINTENANCE SHOP	
	EPA PESTICIDE REGISTRATION NO.
Lab in rear sample room.	
COMMON NAME/TRADE NAME: CREOSOTE	
HAZARDOUS INGREDIENT	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: COAL TAR PITCH VOLATILES  EHS 112(1) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF	STORAGE CODE HAZARD CLASSES CAS NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  COAL TAR PITCH VOLATILES  LIST TATE MEASURE CODE CODE CODE CODE CODE CODE CODE COD	USE TABLES IV & V USE TABLE VI
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  COAL TAR PITCH VOLATILES  EHS  112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE II USE TABLE III USE TABL	USE TABLES IV & V USE TABLE VI 0008001-58-9
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  COAL TAR PITCH VOLATILES  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III USE TABL	USE TABLES IV & V USE TABLE VI
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  COAL TAR PITCH VOLATILES  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF CODE CODE CODE CODE CODE CODE CODE CODE	USE TABLES IV & V A 1 5 Q 1 5 4 . 5 6 . 3 UN/NA NO. (IF KNOWN 3082
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  COAL TAR PITCH VOLATILES  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE CODE DAYS ON SITE  2 1. PURE 2. MOXTURE 2 2 31 41 41 41 365  1. NEW 2. NO LONGER 2 1. NO LONGER 2 2 2 31 41 41 41 41 365	USE TABLES IV & V A 1 5 Q 1 5 4 . 5 6 . 3 UN/NA NO. (IF KNOWN) 3082
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  COAL TAR PITCH VOLATILES  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III USE TABL	USE TABLES IV & V A 1 5 Q 1 5 4 . 5 6 . 3 UN/NA NO. (IF KNOWN 3082
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  COAL TAR PITCH VOLATILES  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III USE TABL	USE TABLES IV & V A 1 5 Q 1 5 4 . 5 6 . 3 UN/NA NO. (IF KNOWN) 3082
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  COAL TAR PITCH VOLATILES  ENS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. UN NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE  USE TABLE II USE TABLE III USE TABL	USE TABLES IV & V A 1 5 Q 1 5 4 . 5 6 . 3 UN/NA NO. (IF KNOWN) 3082
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  COAL TAR PITCH VOLATILES  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. UN NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE  USE TABLE II USE TABLE III USE TABL	USE TABLES IV & V A 1 5 Q 1 5 4 . 5 6 . 3 UN/NA NO. (IF KNOWN) 3082
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  COAL TAR PITCH VOLATILES  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE CODE CODE CODE CODE CODE DAYS ON SITE  USE TABLE II USE TABLE III US	USE TABLES IV & V A 1 5 Q 1 5 4 . 5 6 . 3 UN/NA NO. (IF KNOWN) 3082
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  COAL TAR PITCH VOLATILES  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE  1. PURE 2. MOXTURE 2. AMT. LISE TABLE II USE TABLE III US	USE TABLES IV & V A 1 5 Q 1 5 4 . 5 6 . 3 UN/NA NO. (IF KNOWN)  3082  EPA PESTICIDE REGISTRATION NO.  STORAGE CODE HAZARD CLASSES CAS NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  COAL TAR PITCH VOLATILES  ENS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III USE TABL	USE TABLES IV & V A 1 5 Q 1 5 A . 5 6 . 3 UN/NA NO. (IF KNOWN)  3082  EPA PESTICIDE REGISTRATION NO.  EVALUATION NO.  EVALUATI
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  COAL TAR PITCH VOLATILES  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE  USE TABLE II USE TABLE III USE TAB	USE TABLES IV & V A 1 5 Q 1 5 4 . 5 6 . 3 UN/NA NO. (IF KNOWN) 3082  EPA PESTICIDE REGISTRATION NO.  STORAGE CODE HAZARD CLASSES CAS NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  COAL TAR PITCH VOLATILES  LIST STATE MEASURE CODE CODE CODE CODE DAYS ON SITE  LIST TABLE II USE TABLE II USE TABLE III US	USE TABLES IV & V A 1 5 Q 1 5 4 . 5 6 . 3 UN/NA NO. (IF KNOWN)  3082  EPA PESTICIDE REGISTRATION NO.  STORAGE CODE USE TABLES IV & V E 1 4 3 . 3 UN/NA NO. (IF KNOWN)  0068476-34-6 UN/NA NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  COAL TAR PITCH VOLATILES  LIST PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF CODE CODE CODE CODE DAYS ON SITE CODE CODE DAYS ON SITE CODE CODE CODE CODE CODE CODE CODE COD	USE TABLES IV & V A 1 5 Q 1 5 A . 5 6 . 3 UN/NA NO. (IF KNOWN) 3082  EPA PESTICIDE REGISTRATION NO.  E STORAGE CODE USE TABLES IV & V E 1 4 3 . 3 UN/NA NO. (IF KNOWN) 1993
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  COAL TAR PITCH VOLATILES  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF CODE CODE DAYS ON SITE  1 - PURE 2 - MINITURE 1 - USE TABLE II USE TABLE III USE TABLE I	USE TABLES IV & V A 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 6 3 Q 1 N/NA NO. (IF KNOWN)  3082  EPA PESTICIDE REGISTRATION NO.  EVENT TABLES IV & V E 1 4 3 . 3 Q 1 6 8 4 7 6 - 34 - 6 Q 1 7 9 3 Q 1 7 9
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  COAL TAR PITCH VOLATILES  LIST TO STATE MEASURE CODE CODE CODE CODE CODE DAYS ON SITE  LIST TO STATE MEASURE CODE CODE CODE CODE CODE DAYS ON SITE  LIST TABLE I USE TABLE II USE TABLE III USE	USE TABLES IV & V A 1 5 Q 1 5 A . 5 6 . 3 UN/NA NO. (IF KNOWN) 3082  EPA PESTICIDE REGISTRATION NO.  E STORAGE CODE USE TABLES IV & V E 1 4 3 . 3 UN/NA NO. (IF KNOWN) 1993
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  COAL TAR PITCH VOLATILES  LIST TO STATE MEASURE CODE CODE CODE CODE CODE DAYS ON SITE  LIST TO STATE MEASURE CODE CODE CODE CODE CODE DAYS ON SITE  LIST TABLE I USE TABLE II USE TABLE III USE	USE TABLES IV & V A 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 5 Q 1 6 3 Q 1 N/NA NO. (IF KNOWN)  3082  EPA PESTICIDE REGISTRATION NO.  EVENT TABLES IV & V E 1 4 3 . 3 Q 1 6 8 4 7 6 - 34 - 6 Q 1 7 9 3 Q 1 7 9

## 1999 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

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SECTION D

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COMMON NAME/		-	GASO	LINE							
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	PHYSICAL		PEIK AVG. AMT.	ROLEUM			NUMBER OF		£888		
EHS 112(r)	STATE	MEASURE	CODE	CODE	CODE	CODE	DAYS ON SITE	STORAGE CO		HAZARD CLASSES	CAS NO. (IF KNOWN
2 1 - PURE 2 - MIXTURE	USE TABLE I	USE TABLE II	O 2	O 2	USE TABLE III U	O O	3 digit no.	N 1 F 1	4 4	3.1 6.4	0008006-61-9
1 - NEW 2 - NO LONGER REPORTABLE											1 2 0 3
ENANCE SHO ND OF BUIL	P, IN	LOCKE	OIL S ERS WI	STORAG ITH CL	E ROO OSED	M IN Doors	MAINT SE E				EPA PESTICIDE REGISTRATION NO.
In cans in	n the c	il sto	rage si	ned are	a.						
COMMON NAME/ HAZARDOUS ING			HEAV	IY CRE	OSOTE	DIST	ILLATE		[	-	
N HIGHEST CON			CREC	SOTE					E		
EHS 112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT.	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE C	DDE	HAZARD CLASSES	CAS NO. (IF KNOWN)
1 1 - PURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV	5 s	USE TABLE VI	0065996-92-1
2 - MIXTURE	2	2	30	30	30	00	365	Q i	5	4.5 6.5	UN/NA NO. (IF KNOWN
2 - NO LONGER REPORTABLE STORAGE LOCATIO			[21]			[ 31]	AUD				3082
#33 OR POS				FARM, CAR O					E::::::3		EPA PESTICIDE
<b>[</b>					000000000000000000000000000000000000000	***********					REGISTRATION NO.
										]	
COMMON NAME/ HAZARDOUS ING			L1G+	HT CRE	OSOTE	DIST	TLLATE				
HAZARDOUS ING N HIGHEST CON	REDIENICENTR	T ATION:		HT CRE	OSOTE	DIST	TLLATE		[		E
HAZARDOUS ING N HIGHEST CON	REDIENICENTR	TATION: UNIT OF MEASURE	CRE (	DSOTE MAX. AMT.	AMT. IN	AMT. OUT	NUMBER OF DAYS ON SITE	STORAGE C		HAZARD CLASSES	CAS NO. (IF KNOWN
HAZARDOUS ING N HIGHEST CON	REDIEN ICENTR PHYSICAL STATE USE TABLE I	TATION:  UNIT OF MEASURE USE TABLE II	CRE ( AVG. AMT.   CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	USE TABLES F	/&v 5	USE TABLE VI	CAS NO. (IF KNOWN 0065996-92-1
HAZARDOUS ING N HIGHEST CON EHS 112(r)  1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER	REDIENICENTR	TATION: UNIT OF MEASURE	CRE (	DSOTE MAX. AMT.	AMT. IN	AMT. OUT	NUMBER OF DAYS ON SITE	USE TABLES I	/ & V		0065996-92-1 [] Un/na no. (IF known
HAZARDOUS ING IN HIGHEST CON EHS 112(r)  1 - PURE 2 - MIXTURE 2 - NO LONGER REPORTABLE  STORAGE LOCATIO	PHYSICAL STATE USE TABLE I	ATION: UNIT OF MEASURE USE TABLE II  2  1  1  1  1	CRECAVG. AMT. CODDE USE TABLE III 30 [] TANK	MAX. AMT. CODE USE TABLE III 30 FARM	AMT. IN CODE USE TABLE III 30 TANK	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO. 365	USE TABLES F	5 5 [	USE TABLE VI	0065996-92-1
HAZARDOUS ING IN HIGHEST CON EHS 112(r)  1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE USE TABLE I	ATION: UNIT OF MEASURE USE TABLE II  2  1  1  1  1	CRECAVG. AMT. CODDE USE TABLE III 30 [] TANK	MAX. AMT. CODE USE TABLE III 30 FARM	AMT. IN CODE USE TABLE III 30 TANK	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO. 365	USE TABLES I	5 5 [	USE TABLE VI	0065996-92-1 [] Un/na no. (IF known
HAZARDOUS ING IN HIGHEST CON EHS 112(r)  1 - PURE 2 - MIXTURE 2 - NO LONGER REPORTABLE  STORAGE LOCATIO	PHYSICAL STATE USE TABLE I	ATION: UNIT OF MEASURE USE TABLE II  2  1  1  1  1	CRECAVG. AMT. CODDE USE TABLE III 30 [] TANK	MAX. AMT. CODE USE TABLE III 30 FARM	AMT. IN CODE USE TABLE III 30 TANK	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO. 365	USE TABLES I	5 5 [	USE TABLE VI	0065996-92-1 UN/NA NO. (IF KNOWN 3082
HAZARDOUS ING IN HIGHEST CON  LETS 112(r)  1 - PURE 2 - MIXTURE 2 - NO LONGER REPORTABLE STORAGE LOCATIO 23, OR POS  COMMON NAME/	REDIEN ICENTR. PHYSICAL STATE USE TABLE I  ONS AT SITT SSIBLY TRADE	ATION: UNIT OF MEASURE USE TABLE II  2 IN IN A	CRECAVG. AMT. CODE USE TABLE III 30 TANK RAIL	MAX. AMT. CODE USE TABLE III  30  FARM, CAR	AMT. IN CODE USE TABLE III  30  TANK ON TRA	AMT. OUT CODE USE TABLE III  OO  S #4 CK #3	NUMBER OF DAYS ON SITE OF DIGIT NO.  365  AND #	USE TABLES F A 1 Q 1	5 5   []	USE TABLE VI	0065996-92-1 UN/NA NO. (IF KNOWN 3082
HAZARDOUS ING IN HIGHEST CON  EHS 112(r)  1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER REPORTABLE STORAGE LOCATIO 23, OR POS	PHYSICAL STATE USE TABLE I  ONS AT SITI  STADE SREDIEN	ATION: UNIT OF MEASURE USE TABLE II  2 IN IN A	CRECAVG. AMT. CODE USE TABLE III 30 TANK RAIL	MAX. AMT. CODE USE TABLE III  30  FARM, CAR	AMT. IN CODE USE TABLE III  30  TANK ON TRA	AMT. OUT CODE USE TABLE III  OO  S #4 CK #3	NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  AND #	USE TABLES F A 1 Q 1	5 5   []	USE TABLE VI	0065996-92-1 UN/NA NO. (IF KNOWN 3082
HAZARDOUS ING IN HIGHEST CON  1 PURE 2 MIXTURE 2 NO LONGER REPORTABLE STORAGE LOCATIO 23, OR POS  COMMON NAME/ HAZARDOUS ING IN HIGHEST CON	PHYSICAL STATE USE TABLE I  ONS AT SITI  TRADE GREDIEN  CENTR  PHYSICAL STATE  TRADE GREDIEN  CENTR  PHYSICAL STATE	TATION: UNIT OF MEASURE USE TABLE II  2 IN IN A  NAME: UT ATION: UNIT OF MEASURE	CRECAVG. AMT. CODE USE TABLE III  30  TANK RAIL  METI  CRECAVG. AMT. CODE	DSOTE MAX.AMT. CODE USE TABLE III  30  FARM, CAR CO  HYL SC  OSOTE  MAX.AMT. CODE	AMT. IN CODE USE TABLE III  30  TANK ON TRA  OLVENT	AMT. OUT CODE USE TABLE III  00  S #4 CK #3	NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  AND #  SOTE DO  NUMBER OF DAYS ON SITE	USE TABLES F A 1 Q 1 [ ] [ ]	7 5 5 5 1 [ ] 1 [ ] 1 TE [ ] CODE	USE TABLE VI 4.5 6.5	0065996-92-1 UN/NA NO. (IF KNOWN 3082
HAZARDOUS ING IN HIGHEST CON  1 PURE 2 MIXTURE 2 NO LONGER REPORTABLE STORAGE LOCATIO 23, OR POS  COMMON NAME/ HAZARDOUS ING IN HIGHEST CON	PHYSICAL STATE USE TABLE I  ONS AT SITI  TRADE GREDIEN  CENTR  PHYSICAL STATE  TRADE GREDIEN  CENTR  PHYSICAL STATE	TATION: UNIT OF MEASURE USE TABLE II  2 IN IN A  NAME: UT ATION: UNIT OF MEASURE	CRECAVG. AMT. CODE USE TABLE III  30  TANK RAIL  METI  CRECAVG. AMT. CODE	PARM CAR COSOTE	AMT. IN CODE USE TABLE III  30  TANK ON TRA  OLVENT	AMT. OUT CODE USE TABLE III  00  S #4 CK #3	NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  AND #  SOTE DO  NUMBER OF DAYS ON SITE 3 DIGIT NO.	USE TABLES OF A 1 Q 1 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [	7 5 5 5 1 [ ] 1 [ ] 1 TE [ ] CODE	USE TABLE VI  4.5 6.5  HAZARD CLASSES USE TABLE VI	0065996-92-1  UN/NA NO. (IF KNOWN  3082  EPA PESTICIDE REGISTRATION NO.
HAZARDOUS ING IN HIGHEST CON  1 - PURE 2 - MIXTURE 2 - NO LONGER REPORTABLE STORAGE LOCATIO 23 , OR POS  COMMON NAME/ HAZARDOUS ING IN HIGHEST CON  EHS 112(r)	PHYSICAL STATE USE TABLE I  TRADE GREDIEN  VERNER STATE   TATION: UNIT OF MEASURE USE TABLE II  2 IN IN A  NAME: UT ATION: UNIT OF MEASURE USE TABLE II	CRECAVG. AMT. CODE USE TABLE III  TANK RAIL  METI CRECAVG. AMT. CODE USE TABLE III	PARM CAR CODE  MAX. AMT. CODE  USE TABLE III  30  FARM CAR CO  OSOTE  MAX. AMT. CODE  USE TABLE III	AMT. IN CODE USE TABLE III  30  TANK ON TRA  OLVENT  AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III  OO  CK # 4  CK # 3	NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  AND #  SOTE DO  NUMBER OF DAYS ON SITE	USE TABLES OF A 1 Q 1 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [	7 5 5 5 1 [ ] ] TE [ ] ODE	USE TABLE VI 4.5 6.5	0065996-92-1 [	
HAZARDOUS ING IN HIGHEST CON  1 - PURE 2 - MIXTURE 2 - NO LONGER REPORTABLE STORAGE LOCATIO 23, OR POS  COMMON NAME/ HAZARDOUS ING IN HIGHEST CON  EHS 112(r)  1 - PURE 2 - MIXTURE  1 - NEW 2 - NO LONGER  112(r)	PHYSICAL STATE USE TABLE I  2  CNS AT SITI STATE USE TABLE I  CREDIEN CENTR STATE USE TABLE I  2  CREDIEN CENTR STATE USE TABLE I  2  CNS AT SITI CONS AT SITI	ATION:  UNIT OF MEASURE USE TABLE II  2 IN IN A  NAME: IT ATION:  UNIT OF MEASURE USE TABLE II  2 III 2 III 2 III 2 III 2 III 2 III 3	CRECAVG. AMT. CODE USE TABLE III  30  TANK RAIL  METI CRECAVG. AMT. CODE USE TABLE III  30  TANK	PARM  CODE  MAX. AMT.  CODE  USE TABLE III  30  FARM  CAR  CODE  MAX. AMT.  CODE  USE TABLE III  30  FARM	AMT. IN CODE USE TABLE III  30  TANK ON TRA  OLVENT  AMT. IN CODE USE TABLE III  30  LUSE TABLE III  30  LUSE TABLE III	AMT. OUT CODE USE TABLE III  OO  S #4 CK #3  CREC  AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  AND #  SOTE DO  NUMBER OF DAYS ON SITE 3 DIGIT NO.	USE TABLES OF A 1 Q 1 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [	7 5 5 5   []  TE [  ODE  ***  5 5  1 []	USE TABLE VI  4.5 6.5  HAZARD CLASSES USE TABLE VI	0065996-92-1 [
HAZARDOUS ING IN HIGHEST CON  1 - PURE 2 - MIXTURE 2 - MIXTURE STORAGE LOCATIO 23 , OR POS  COMMON NAME/ HAZARDOUS ING IN HIGHEST CON  EHS 112(r)  2 1 - PURE 2 - MIXTURE 2 - MIXTURE 2 - NO LONGER REPORTABLE STORAGE LOCATIO  2 1 - PURE 2 - NO LONGER REPORTABLE STORAGE LOCATIO	PHYSICAL STATE USE TABLE I  2  CNS AT SITI STATE USE TABLE I  CREDIEN CENTR STATE USE TABLE I  2  CREDIEN CENTR STATE USE TABLE I  2  CNS AT SITI CONS AT SITI	ATION:  UNIT OF MEASURE USE TABLE II  2 IN IN A  NAME: IT ATION:  UNIT OF MEASURE USE TABLE II  2 III 2 III 2 III 2 III 2 III 2 III 3	CRECAVG. AMT. CODE USE TABLE III  30  TANK RAIL  METI CRECAVG. AMT. CODE USE TABLE III  30  TANK	PARM  CODE  MAX. AMT.  CODE  USE TABLE III  30  FARM  CAR  CODE  MAX. AMT.  CODE  USE TABLE III  30  FARM	AMT. IN CODE USE TABLE III  30  TANK ON TRA  OLVENT  AMT. IN CODE USE TABLE III  30  LUSE TABLE III  30  LUSE TABLE III	AMT. OUT CODE USE TABLE III  OO  S #4 CK #3  CREC  AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  AND #  SOTE DO  NUMBER OF DAYS ON SITE 3 DIGIT NO.  365	USE TABLES OF A 1 Q 1 I I I I I I I I I I I I I I I I I	7 5 5 5   []  TE [  ODE  ***  5 5  1 []	HAZARD CLASSES USE TABLE VI  4.5 6.5	0065996-92-1  UN/NA NO. (IF KNOWN 3082  EPA PESTICIDE REGISTRATION NO.  CAS NO. (IF KNOWN  0065996-92-  UN/NA NO. (IF KNOWN

# 1999 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numbe

SECTION D

SUBSTANCE INFORMATION - Type or print only changes in the [Bracketed] AREA

SUBSTANCE INFORMATION - TYPE OR PRINT O	ONLY CHANGES IN THE EBRACKETERS AREAS
COMMON NAME/TRADE NAME: MOTOR OIL HAZARDOUS INGREDIENT	
IN HIGHEST CONCENTRATION: HIGHLY REFINED BASE OILS	
EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE IDAYS ON SITE	STORAGE CODE HAZARD CLASSES CAS NO. (IF KNOWN)
2 1 · PURE 2 · MIXTURE 2 2 04 04 04 00 365	USE TABLES IV & V D 1 4 4.5 0064742-54-7
1 - NEW 2 - NO LONGER REPORTABLE	
STORAGE LOCATIONS AT SITE IN OIL STORAGE ROOM IN MAINT ENANCE SHOP, SOUTHEND OF BUILDING	EPA PESTICIDE REGISTRATION NO.
In the maintenance shop.	
<u>-</u>	
COMMON NAME/TRADE NAME: NAPHTHALENE STILL RESIDUE HAZARDOUS INGREDIENT	
IN HIGHEST CONCENTRATION: NAPHTHALENE	
EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE	STORAGE CODE HAZARD CLASSES CAS NO. (IF KNOWN)
1 - PURE 2 - MIXTURE USE TABLE II USE TABLE III USE TABLE	USE TABLES IV 4 V USE TABLE VI 0073665-18-6
	4.5 6.3 [ UN/NA NO. (IF KNOWN
2 - NO LONGER REPORTABLE	3082
STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #34 AND #99, AND POSSIBLY IN A RAIL CAR ON TRACT #3/IN	
TANK FARM/TANKS #34 AND #102 AND POSSIBLE IN A	RAILCAR ON TRACK #3 EPA PESTICIDE REGISTRATION NO.
	j <u>l</u>
COMMON NAME/TRADE NAME: OXYGEN	<u>]</u>
COMMON NAME/TRADE NAME: OXYGEN HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: OXYGEN	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  OXYGEN  EHS  112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE	STORAGE CODE HAZARD CLASSES CAS NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  OXYGEN  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE II USE TABLE II USE TABLE III	USE TABLES IV & V USE TABLE VI
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  OXYGEN  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE II USE TABLE III	USE TABLES IV & V USE TABLE VI
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  OXYGEN  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III OO 365  1 - NEW 2 - NO LONGER REPORTABLE  1 - NO LONGER REPORTABLE	USE TABLES IV & V USE TABLE VI
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  OXYGEN  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE II USE TABLE III OO 365  1 - NEW 2 - NO LONGER	USE TABLES IV & V L 2 4 2.2 5.1 UN/NA NO. (IF KNOWN 1072
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  OXYGEN  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III OO 365  1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE 6 CYLINDERS ON 3 CARTS IN RE	USE TABLES IV & V USE TABLE VI
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  OXYGEN  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III OO 365  1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE 6 CYLINDERS ON 3 CARTS IN RE	USE TABLES IV & V L 2 4 2.2 5.1 UN/NA NO. (IF KNOWN 1072
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  OXYGEN  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III  USE TABLES IV & V L 2 4 2.2 5.1 UN/NA NO. (IF KNOWN 1072	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  OXYGEN  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III  USE TABLES IV & V L 2 4 2.2 5.1 UN/NA NO. (IF KNOWN 1072	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  OXYGEN  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III  USE TABLES IV & V L 2 4 2.2 5.1 UN/NA NO. (IF KNOWN 1072	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  OXYGEN  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE MEASURE CODE CODE CODE DAYS ON SITE OF DAYS	USE TABLES IV & V L 2 4 2 . 2 5 . 1 UN/NA NO. (IF KNOWN 1072 EPA PESTICIDE REGISTRATION NO.  STORAGE CODE USE TABLES IV & V D 1 4 USE TABLES IV & V D 1 4  O000127-18-4
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  OXYGEN  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III USE	USE TABLES IV & V L 2 4 2 . 2 5 . 1 UN/NA NO. (IF KNOWN 1072 EPA PESTICIDE REGISTRATION NO.  STORAGE CODE USE TABLES IV & V D 1 4 6 . 3 6 . 4 UN/NA NO. (IF KNOWN 0000127 - 18 - 4
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  OXYGEN  EHS 1112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. CODE CODE CODE DAYS ON SITE STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III USE TABLE	USE TABLES IV & V L 2 4 2 . 2 5 . 1 UN/NA NO. (IF KNOWN 1072 EPA PESTICIDE REGISTRATION NO.  STORAGE CODE USE TABLES IV & V D 1 4 6 . 3 6 . 4 UN/NA NO. (IF KNOWN 1897
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  OXYGEN  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. CODE CODE CODE CODE CODE CODE CODE CODE	USE TABLES IV & V L 2 4 2 . 2 5 . 1 UN/NA NO. (IF KNOWN 1072 EPA PESTICIDE REGISTRATION NO.  STORAGE CODE USE TABLES IV & V D 1 4 6 . 3 6 . 4 UN/NA NO. (IF KNOWN 0000127 - 18 - 4 UN/NA NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: OXYGEN  EHS 112tr) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE II USE TABLE III ON 365  1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE 6 CYLINDERS ON 3 CARTS IN RE AR OF MAINTENANCE SHOP.  COMMON NAME/TRADE NAME: PERCHLOROETHYLENE  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE  EHS 112tr) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF CODE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III US	USE TABLES IV & V L 2 4 2 . 2 5 . 1 UN/NA NO. (IF KNOWN 1072 EPA PESTICIDE REGISTRATION NO.  STORAGE CODE USE TABLES IV & V D 1 4 6 . 3 6 . 4 UN/NA NO. (IF KNOWN 1897 UN/NA NO. (IF KNOWN 1897

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# 1999 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numbe 006202

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SECTION D

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COMMON NAME/TRADE NAME: PETROLEUM PROCESS 01L, CALORI	IA HT [
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES	
PUVCICAL INTER OF AVC AMT MAY AMT AMT DI AMT OUT NITIGER OF	ORAGE CODE HAZARD CLASSES CAS NO. (IF KNOWN)
STATE MEASURE CODE CODE CODE DAYS ON SITE	ORAGE CODE HAZARD CLASSES CAS NO. (IF KNOWN) E TABLES IV & V USE TABLE VI
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	4.5
1 - NEW 2 - NO LONGER	UN/NA NO. (IF KNOWN
STORAGE LOCATIONS AT SITE IN ABOVE GROUND EXPANSION TA	
NK NEXT TO TANK #65	
THE POST TO THERE II US	EPA PESTICIDE REGISTRATION NO.
	1
	<u> </u>
COMMON NAME PRINCIPAL AND DESIGNATION ASS.	
COMMON NAME/TRADE NAME: PRIMING AND REFACTORY OIL HAZARDOUS INGREDIENT	
IN HIGHEST CONCENTRATION: CREOSOTE	[
EHS 112(p) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STO	ORAGE CODE HAZARD CLASSES CAS NO. (IF KNOWN)
STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III USE	E TABLES IV & V USE TABLE VI
	A 1 4 0065996-92-1
	4.5 6.5
2 1 - NEW 2 - NO LONGER [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [	UN/NA NO. (IF KNOWN
STORAGE LOCATIONS AT SITE IN TANK FARM, TANK #19 AND 1	3082
N DRUMS BEHIND MAINTENANCE SHOP	
	EPA PESTICIDE REGISTRATION NO.
COMMON NAME/TRADE NAME: PRADAME	<u> </u>
COMMON NAME/TRADE NAME: PROPANE HAZARDOUS INGREDIENT	
HAZARDOUS INGREDIENT	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PROPANE  BHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF ST.	CORAGE CODE HAZARD CLASSES CAS NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE III U	SE TABLES IV & V USE TABLE VI
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  EIS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III US	SE TABLES IV & V USE TABLE VI L 2 6 0000074-98-6
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III USE TABLE I	SE TABLES IV & V USE TABLE VI
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE STATE MEASURE USE TABLE III USE TABLE	SE TABLES IV & V USE TABLE VI
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III US	USE TABLES IV & V L 2 6 2 . 1 UN/NA NO. (IF KNOWN) 1075
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE STATE MEASURE CODE CODE CODE DAYS ON SITE STATE MEASURE USE TABLE III USE TABLE	USE TABLES IV & V L 2 6 2 . 1 UN/NA NO. (IF KNOWN) 1075
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III US	USE TABLES IV & V L 2 6 2 . 1 UN/NA NO. (IF KNOWN) 1075
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE STATE MEASURE CODE CODE CODE DAYS ON SITE STATE MEASURE STABLE III USE TABLE III	E TABLES IV & V  L 2 6  2 . 1  UN/NA NO. (IF KNOWN 1075  EPA PESTICIDE
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HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PROPANE  ELS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III  E TABLES IV & V  L 2 6  2 . 1  UN/NA NO. (IF KNOWN 1075  EPA PESTICIDE	
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HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PROPANE  ELES 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III USE TABLE I	USE TABLE VI
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  EIB 112(n) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STORE CODE CODE CODE DAYS ON SITE OF AVG. AMT. WESTABLE III USE TABLE III USE TA	USE TABLE VI
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE CODE CODE CODE CODE CODE CODE CODE COD	ETABLES IV & V  L 2 6  2 . 1    UN/NA NO. (IF KNOWN 1075
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  HIGHEST CONCENTRATION:  PROPANE  PROPANE  AMT. IN AMT. OUT NUMBER OF CODE CODE CODE CODE DAYS ON SITE STATE MEASURE CODE CODE CODE DAYS ON SITE	ETABLES IV & V  L 2 6  2 . 1    UN/NA NO. (IF KNOWN 1075   EPA PESTICIDE REGISTRATION NO.   FEGISTRATION NO.   EPA PESTICIDE REGISTRATION NO.   EPA PESTICIDE REGISTR
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  PROPER  CODE CODE CODE DAYS ON SITE STORE IN USE TABLE III USE	USE TABLE VI
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  HIGHEST CONCENTRATION:  PROPANE  PROPANE  AMT. IN AMT. OUT NUMBER OF CODE CODE CODE CODE DAYS ON SITE STATE MEASURE CODE CODE CODE DAYS ON SITE	ETABLES IV & V  L 2 6  2 . 1    UN/NA NO. (IF KNOWN 1075   EPA PESTICIDE REGISTRATION NO.   FEGISTRATION NO.   EPA PESTICIDE REGISTRATION NO.   EPA PESTICIDE REGISTR
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  FIRS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE STATE MEASURE CODE CODE DAYS ON SITE STORAGE LOCATIONS AT SITE OUTSIDE IN THE REAR OF THE MAINTENANCE BUILDING, IN FORK LIFTS IN SAME ARE A, AND IN CANNISTERS AT TRACK #5 LOADING STATION.  COMMON NAME/TRADE NAME:  PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE STATE MEASURE CODE CODE CODE DAYS ON SITE STATE MEASURE CODE CODE CODE DAYS ON SITE STATE MEASURE CODE CODE CODE DAYS ON SITE STATE MEASURE CODE CODE CODE DAYS ON SITE STATE MEASURE CODE CODE CODE DAYS ON SITE STATE MEASURE CODE CODE CODE DAYS ON SITE STATE MEASURE CODE CODE CODE CODE DAYS ON SITE STATE MEASURE CODE CODE DAYS ON SITE STATE MEASU	ETABLES IV & V  L 2 6  2 . 1  UN/NA NO. (IF KNOWN 1075  EPA PESTICIDE REGISTRATION NO.  TORAGE CODE HAZARD CLASSES CAS NO. (IF KNOWN)  SE TABLES IV & V  F 1 4  8 . 0  UN/NA NO. (IF KNOWN)
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HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  EFS 112(r) PHYSICAL UNIT OF SAVG. AMT. MAX. AMT. CODE CODE DAYS ON SITE STATE MASSURE CODE CODE CODE DAYS ON SITE STATE WASSURE CODE CODE CODE DAYS ON SITE STATE WASSURE CODE CODE CODE DAYS ON SITE STATE WASSURE STORAGE LOCATIONS AT SITE IN REAR OF LAB IN SAMPLE ROO	ETABLES IV & V  L 2 6  2 . 1
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  EFS 112(r) PHYSICAL UNIT OF SAVG. AMT. MAX. AMT. CODE CODE DAYS ON SITE STATE MASSURE CODE CODE CODE DAYS ON SITE STATE WASSURE CODE CODE CODE DAYS ON SITE STATE WASSURE CODE CODE CODE DAYS ON SITE STATE WASSURE STORAGE LOCATIONS AT SITE IN REAR OF LAB IN SAMPLE ROO	ETABLES IV & V  L 2 6  2 . 1    UN/NA NO. (IF KNOWN 1075
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  EFS 112(r) PHYSICAL UNIT OF SAVG. AMT. MAX. AMT. CODE CODE DAYS ON SITE STATE MASSURE CODE CODE CODE DAYS ON SITE STATE WASSURE CODE CODE CODE DAYS ON SITE STATE WASSURE CODE CODE CODE DAYS ON SITE STATE WASSURE STORAGE LOCATIONS AT SITE IN REAR OF LAB IN SAMPLE ROO	ETABLES IV & V  L 2 6  2 . 1    UN/NA NO. (IF KNOWN 1075

# 1999 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numbe 006202

SECTION D

COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT	REFINED T					
IN HIGHEST CONCENTRATION:	HYDROCARE		L When an I			
EHS 112(r) PHYSICAL UNIT OF STATE MEASURE	AVG. AMT. MAX. AMT. CODE CODE	CODE CODE	NUMBER OF DAYS ON SITE	STORAGE CODE  USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER REPORTABLE	30 30	30 00 [00] [30]	3 digit no.	Q 1 5 A 1 5	4 . 2	0065996-93-2 UN/NA NO. (IF KNOWN 3257
storage locations at site 1 N # 5	TANK CARS	ON TRACK	#3 OR _		,	EPA PESTICIDE REGISTRATION NO.
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT	SODIUM HY	DROXIDE				
IN HIGHEST CONCENTRATION:	SODIUM HY	DROXIDE		[		
EHS 112(r) PHYSICAL UNIT OF STATE MEASURE	AVG. AMT. MAX. AMT. CODE CODE	AMT. IN AMT. OUT CODE CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE III USE TABLE I		USE TABLES IV & V	USE TABLE VI	0001210 72.0
2 - MIXTURE 1 - NEW - 2 - NO LONGER REPORTABLE	10 10	10 00 [20]	365	1 1 4	8.0 6.3	0001310-73-2 [] UN/NA NO. (IF KNOWN 1823
STORAGE LOCATIONS AT SITE 1 N	I BOILER ROC	OM E END				EPA PESTICIDE REGISTRATION NO.
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	SODIUM SU			<u> </u>		
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF	SODIUM SU AVG. AMT. MAX. AMT.	LFITE AMT. IN AMT. OUT		[ STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE I USE TABLE II  1 PURE 2 MIXTURE 1 1	SODIUM SU AVG. AMT. MAX. AMT. CODE CODE USE TABLE III USE TABLE III	AMT. IN AMT. OUT CODE CODE USE TABLE III USE TABLE I  10 00	DAYS ON SITE II 3 DIGIT NO. 365	STORAGE CODE USE TABLES IV &V 1 1 4	USE TABLE VI	CAS NO. (IF KNOWN)  0007757-83-7  1  UN/NA NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I	SODIUM SU AVG. AMT. MAX. AMT. CODE CODE USE TABLE III  10 10 10	AMT. IN AMT. OUT CODE CODE USE TABLE IN USE TABLE I  10 00 [20]	DAYS ON SITE II 3 DIGIT NO. 365	USE TABLES IV &V I 1 4	9.0	0007757-83-7 [
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I	SODIUM SU AVG. AMT. MAX. AMT. CODE CODE USE TABLE III USE TABLE III	AMT. IN AMT. OUT CODE CODE USE TABLE IN USE TABLE I  10 00 [20]	DAYS ON SITE II 3 DIGIT NO. 365	USE TABLES IV & V 1 1 4	USE TABLE VI	0007757-83-7 [] UN/NA NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I	SODIUM SU AVG. AMT. MAX. AMT. CODE CODE USE TABLE III  10 10 10	AMT. IN AMT. OUT CODE CODE USE TABLE IN USE TABLE I  10 00 [20]	DAYS ON SITE II 3 DIGIT NO. 365	USE TABLES IV &V I 1 4	USE TABLE VI	0007757-83-7 [ ] UN/NA NO. (IF KNOWN 0000
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE I  1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER REPORTABLE	SODIUM SU AVG. AMT. MAX. AMT. CODE CODE USE TABLE III USE TABLE III  10 10  1 BOILER ROO	AMT. IN AMT. OUT CODE CODE USE TABLE III USE TABLE I  10 00 [20]  OM E END	DAYS ON SITE II 3 DIGIT NO. 365	USE TABLES IV &V I 1 4	USE TABLE VI	0007757-83-7 [ ] UN/NA NO. (IF KNOWN 0000
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  BHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE I USE TABLE I  1 1-PURE 1 NEW 1 NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE 1 NO LONGER REPORTABLE  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT	SODIUM SU AVG. AMT. MAX. AMT. CODE CODE 1 USE TABLE III USE TABLE III 10 10  BOILER ROO	AMT. IN AMT. OUT CODE CODE USE TABLE III USE TABLE I  10 00 [20] OM E END	DAYS ON SITE  3 DIGIT NO.  3 6 5	USE TABLES IV &V I 1 4	USE TABLE VI	0007757-83-7 [ ] UN/NA NO. (IF KNOWN 0000
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  BHS 112(r) PHYSICAL UNIT OF STATE MEASURE 1 1-PURE USE TABLE I USE	SODIUM SU AVG. AMT. MAX. AMT. CODE CODE 1 USE TABLE III USE TABLE III 10 10 10 10 10 TAR REFI	AMT. IN AMT. OUT. CODE CODE USE TABLE III USE TABLE I  10 00 [20] OM E END  NED  M HYDROCAR	BONS	USE TABLES IV & V	9.0	0007757-83-7  UN/NA NO. (IF KNOWN  0000  EPA PESTICIDE REGISTRATION NO.
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE II  1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE	SODIUM SU  AVG. AMT. MAX. AMT. CODE CODE  1 USE TABLE III USE TABLE III  10 10  10 IIII  N BOILER ROO  TAR REFIN  PETROLEU  AVG. AMT. MAX. AMT. CODE CODE  CODE CODE	AMT. IN AMT. OUT. CODE CODE USE TABLE III USE TABLE I  10 00 [20]  OM E END  M HYDROCAR  AMT. IN AMT. OUT. CODE CODE	BONS T NUMBER OF DAYS ON SITE	USE TABLES IV &V I 1 4  [ ] [ ] [ ]  [ ] [ ]  STORAGE CODE	9.0  HAZARD CLASSES	0007757-83-7 [ ] UN/NA NO. (IF KNOWN 0000
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE 1 - PURE 2 - MIXTURE 1 - I - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE I  2 - PURE 2 - MIXTURE 2 - MIXTURE 2 2 2	SODIUM SU  AVG. AMT. MAX. AMT. CODE CODE  USE TABLE III USE TABLE III  10 10  BOILER ROC  TAR REFIL  PETROLEU  AVG. AMT. MAX. AMT.	AMT. IN AMT. OUT. CODE CODE USE TABLE III USE TABLE I  10 00 [20]  OM E END  M HYDROCAR  AMT. IN AMT. OUT. CODE CODE	BONS T NUMBER OF DAYS ON SITE	USE TABLES IV & V	9.0	0007757-83-7 [
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE II  1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE II  2 1 - PURE 2 - MIXTURE  2 MIXTURE	SODIUM SU  AVG. AMT. MAX. AMT. CODE CODE  1 USE TABLE III USE TABLE III  10 10  10 10  MAX. AMT. MAX. AMT. MAX. AMT. MAX. AMT. MAX. AMT. CODE CODE  1 USE TABLE III USE TABLE III  1 USE TABLE III USE TABLE III	AMT. IN AMT. OUT. CODE CODE USE TABLE III USE TABLE I  10 00 [20]  OM E END  M HYDROCAR  AMT. IN AMT. OUT. CODE CODE USE TABLE III USE TABLE	BONS T NUMBER OF DAYS ON SITE	USE TABLES IV &V I 1 4  [ ] [ ] [ ]  [ STORAGE CODE  USE TABLES IV & V	USE TABLE VI  9.0  HAZARD CLASSES USE TABLE VI	0007757-83-7  UN/NA NO. (IF KNOWN  0000  EPA PESTICIDE REGISTRATION NO.
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE 1 1-PURE 2-MEXTURE USE TABLE I USE T	SODIUM SU  AVG. AMT. MAX. AMT. CODE CODE  1 USE TABLE III USE TABLE III  10 10  10 10  MAX. AMT. MAX. AMT. MAX. AMT. MAX. AMT. MAX. AMT. CODE CODE  1 USE TABLE III USE TABLE III  1 USE TABLE III USE TABLE III	AMT. IN AMT. OUT. CODE CODE USE TABLE III USE TABLE I  10 00 [20]  OM E END  M HYDROCAR AMT. IN AMT. OUT. CODE CODE USE TABLE III USE TABLE 20 00  T REAR OF	BONS T NUMBER OF DAYS ON SITE  11 3 DIGIT NO.  3 6 5 T NUMBER OF DAYS ON SITE 11 3 DIGIT NO.  3 6 5 T MAINTE	USE TABLES IV &V I 1 4  [ ] [ ] [ ]  [ STORAGE CODE  USE TABLES IV & V	USE TABLE VI  9.0  HAZARD CLASSES USE TABLE VI	0007757-83-7  UN/NA NO. (IF KNOWN  0000  EPA PESTICIDE REGISTRATION NO.  CAS NO. (IF KNOWN  0065996-93-2  UN/NA NO. (IF KNOWN

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Facility ID Numbe 006202

SECTION D

		f	
COMMON NAME/TRADE NAME: XY LENE HAZARDOUS INGREDIENT		£3333 £5000	
IN HIGHEST CONCENTRATION: XY LENE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. A.	MT. AMT. IN AMT. OUT NUMBER OF	£	HAZARD CLASSES   CAS NO. (IF KNOWN)
USE TABLE II USE TABLE II USE TABLE III USE TABLE	E CODE CODE DAYS ON SITE	STORAGE CODE USE TABLES IV & V	USE TABLE VI
1 1 - PURE 2 - MIXTURE 2 2 03 03		D 1 4 N 1 4	3.3 6.3 0001330-20-7
1 - NEW 2 - NO LONGER REPORTABLE	] [02 ] [ ] [		UN/NA NO. (IF KNOWN 1307
	RUM OUTSIDE W END		
OF LAB ALSO IN PLASTIC BOTTLE	: IN LAB		EPA PESTICIDE REGISTRATION NO.
			3125-372
COMMON NAME/TRADE NAME: Toluene		[	
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: Toluene		ſ	
EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. A		STORAGE CODE	HAZARD CLASSES   CAS NO. (IF KNOWN)
STATE MEASURE CODE CODI USE TABLE II USE TABLE III USE TABLE III USE TABLE		USE TABLES IV & V	USE TABLE VI
2 - MIXTURE			[108.88.3
1 · NEW 2 · NO LONGER [ 2 ] [ 2 ] [ 03 ] [ 03	[365 <b>]</b>		[ 3.2 ] [6.1 ] UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE		-   [N] [1] [4]	<b></b>
	•		EPA PESTICIDE REGISTRATION NO.
			REGISTRATION NO.
In glass bottle in the lab.			
COMMON NAME/TRADE NAME:		ſ	][
HAZARDOUS INGREDIENT		<b>1</b> 2000	
IN HIGHEST CONCENTRATION:  [	AMT. AMT. IN AMT. OUT NUMBER OF	<u> </u>	GLE VO GENEVOUND
STATE   MEASURE   CODE   COD   USE TABLE I   USE TABLE II   USE TABLE III   USE TAB	E CODE CODE DAYS ON SIT		HAZARD CLASSES CAS NO. (IF KNOWN)
1 - PURE 2 - MIXTURE			**
		1	l i
1 · New 2 · No Longer			UN/NA NO. (IF KNOWN
			UN/NA NO. (IF KNOWN
2 - NO LONGER REPORTABLE			
2 - NO LONGER REPORTABLE			UN/NA NO. (IF KNOWN  EPA PESTICIDE REGISTRATION NO.
2 - NO LONGER REPORTABLE			
2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE			
2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT			
2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	AMT AMT IN LAMT OUT LYIMBER OF	E	EPA PESTICIDE REGISTRATION NO.
COMMON NAME/TRADE NAME:  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. A STATE MEASURE CODE COD USE TABLE II USE TABLE III US	DE CODE CODE DAYS ON SIT	STORAGE CODE	
2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE  COMMON NAME/TRADE NAME:  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. A STATE MEASURE CODE CODE	DE CODE CODE DAYS ON SIT	E STORAGE CODE	EPA PESTICIDE REGISTRATION NO.
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PHYSICAL UNIT OF AVG. AMT. MAX. AND AVG. AND AVG. AND AVG. AND AVG. AND AVG. AND AVG. AMT. MAX. AND AVG.	DE CODE CODE DAYS ON SIT BLE III USE TABLE III USE TABLE III 3 DIGIT NO.	E STORAGE CODE	EPA PESTICIDE REGISTRATION NO.
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. A STATE MEASURE CODE COD USE TABLE I USE TABLE II USE TABLE III USE T	DE CODE CODE DAYS ON SIT	STORAGE CODE USE TABLES IV & V	EPA PESTICIDE REGISTRATION NO.  HAZARD CLASSES CAS NO. (IF KNOWN) USE TABLE VI
COMMON NAME/TRADE NAME:  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. A STATE MEASURE CODE COD USE TABLE I USE TABLE II USE TABLE III USE	DE CODE CODE DAYS ON SIT BLE III USE TABLE III USE TABLE III 3 DIGIT NO.	E STORAGE CODE	EPA PESTICIDE REGISTRATION NO.  HAZARD CLASSES CAS NO. (IF KNOWN)  USE TABLE VI  [ ] UN/NA NO. (IF KNOWN)
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. A STATE MEASURE CODE COD USE TABLE I USE TABLE II USE TABLE III USE T	DE CODE CODE DAYS ON SIT BLE III USE TABLE III USE TABLE III 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	EPA PESTICIDE REGISTRATION NO.  HAZARD CLASSES CAS NO. (IF KNOWN) USE TABLE VI
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. A STATE MEASURE CODE COD USE TABLE I USE TABLE II USE TABLE III USE T	DE CODE CODE DAYS ON SIT BLE III USE TABLE III USE TABLE III 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	EPA PESTICIDE REGISTRATION NO.  HAZARD CLASSES CAS NO. (IF KNOWN)  USE TABLE VI  UN/NA NO. (IF KNOWN)  EPA PESTICIDE

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Facility ID Number 006202

SECTION D

COMMON NAME/ HAZARDOUS ING									<u>-</u>	
IN HIGHEST CON										
EHS 112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT.	MAX. AMT.	AMT. IN	AMT. OUT	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
1 - PURE				CODE USE TABLE III	CODE USE TABLE III	CODE USE TABLE III		USE TABLES IV & V	USE TABLE VI	
2 - MIXTURE								•		
1 - NEW 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIO	ONS AT SITE	2					ļ			EPA PESTICIDE
										EPA PESTICIDE REGISTRATION NO.
-										
COMMON NAME/ HAZARDOUS INC	GREDIEN	ſΤ				·				
IN HIGHEST CON			4370 43 <i>m</i>	124 Y 43 CT	43 fm 73 v	·	Lynnerport			
EHS 112(r	PHYSICAL STATE	MEASURE	AVG. AMT. CODE	MAX. AMT. CODE USE TABLE III	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE 2 - MIXTURE		COD TABLES II	OSE TABLE III	OSE TABLE III	COSE TABLE III	OSE TABLE III	S DIGIT NO.	OSE TABLES IV & V	OSE TABLE VI	
1 - NEW 2 - NO LONGER							[ ]		]	UN/NA NO. (IF KNOWN)
REPORTABLE STORAGE LOCATIO	ONS AT SITE		<u> </u>			l	1		]	
										EPA PESTICIDE REGISTRATION NO.
									3	[L]
				*************						
COMMON NAME/										
COMMON NAME/ HAZARDOUS INC IN HIGHEST COM	REDIEN	$\mathbf{T}$							[	
HAZARDOUS INC IN HIGHEST CON	GREDIEN NCENTRA PHYSICAL STATE	TATION: UNIT OF MEASURE	CODE	MAX. AMT.	AMT. IN CODE	AMT. OUT	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
HAZARDOUS INC IN HIGHEST CON	GREDIEN NCENTRA PHYSICAL STATE	TATION: UNIT OF MEASURE	CODE		CODE	CODE	DAYS ON SITE	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
HAZARDOUS INC IN HIGHEST CON EHS 112(r) 1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER	GREDIEN NCENTRA PHYSICAL STATE USE TABLE I	ATION: UNIT OF MEASURE USE TABLE II	CODE USE TABLE III	CODE	CODE USE TABLE III	CODE USE TABLE III	DAYS ON SITE 3 DIGIT NO.			CAS NO. (IF KNOWN)  UN/NA NO. (IF KNOWN)
HAZARDOUS INCIN HIGHEST CON  BHS 11207  1 - PURE 2 - MIXTURE 1 - NEW	GREDIEN NCENTRA PHYSICAL STATE USE TABLE I	ATION: UNIT OF MEASURE USE TABLE II	CODE USE TABLE III	CODE USE TABLE III	CODE USE TABLE III	CODE USE TABLE III	DAYS ON SITE 3 DIGIT NO.		USE TABLE VI	
HAZARDOUS INC IN HIGHEST CON EHS 11207  1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER REPORTABLE	GREDIEN NCENTRA PHYSICAL STATE USE TABLE I	ATION: UNIT OF MEASURE USE TABLE II	CODE USE TABLE III	CODE USE TABLE III	CODE USE TABLE III	CODE USE TABLE III	DAYS ON SITE 3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
HAZARDOUS INC IN HIGHEST CON EHS 11207  1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER REPORTABLE	GREDIEN NCENTRA PHYSICAL STATE USE TABLE I	ATION: UNIT OF MEASURE USE TABLE II	CODE USE TABLE III	CODE USE TABLE III	CODE USE TABLE III	CODE USE TABLE III	DAYS ON SITE 3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	UN/NA NO. (IF KNOWN)
HAZARDOUS INC IN HIGHEST CON EHS 11207  1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER REPORTABLE	GREDIEN NCENTRA PHYSICAL STATE USE TABLE I	ATION: UNIT OF MEASURE USE TABLE II	CODE USE TABLE III	CODE USE TABLE III	CODE USE TABLE III	CODE USE TABLE III	DAYS ON SITE 3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	UN/NA NO. (IF KNOWN)
HAZARDOUS INC IN HIGHEST CON  BHS 112(r)  1 - PURE 2 - MIXTURB 1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATION  COMMON NAME, HAZARDOUS INC	GREDIEN NCENTRANDE I PHYSICAL STATE USE TABLE I ONS AT SITE	ATION: UNIT OF MEASURE USE TABLE II	CODE USE TABLE III	CODE USE TABLE III	CODE USE TABLE II	CODE USE TABLE III	DAYS ON SITE 3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	UN/NA NO. (IF KNOWN)
HAZARDOUS INC IN HIGHEST CON  LEHS 112(r) 1 - PURE 2 - MIXTURE 1 - NO LONGER REPORTABLE STORAGE LOCATION  COMMON NAME, HAZARDOUS INC IN HIGHEST CON	GREDIEN NCENTRA PHYSICAL STATE USE TABLE I  ONS AT SITE  /TRADE I  GREDIEN NCENTRA	NAME: UT ATION:	CODE USE TABLE III	CODE USE TABLE III	CODE USE TABLE II	CODE USE TABLE III	DAYS ON SITE  3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	UN/NA NO. (IF KNOWN)
HAZARDOUS INC IN HIGHEST CON  LEHS 112(r) 1 - PURE 2 - MIXTURE 1 - NO LONGER REPORTABLE STORAGE LOCATION  COMMON NAME, HAZARDOUS INC IN HIGHEST CON	PHYSICAL STATE USE TABLE I  ONS AT SITE  (TRADE )  GREDIEN  NCENTR.  (PHYSICAL STATE IN CENTR.  (PHYSICAL STATE IN CENTR.	VITATION: UNIT OF MEASURE USE TABLE II  VITATION: UNIT OF MEASURE	CODE USE TABLE III	CODE USE TABLE III	CODE USE TABLE II	CODE USE TABLE III	DAYS ON SITE  3 DIGIT NO.  NUMBER OF DAYS ON SITE	USE TABLES IV & V	USE TABLE VI	UN/NA NO. (IF KNOWN)
HAZARDOUS INC IN HIGHEST CON  LEHS 112(r) 1 - PURE 2 - MIXTURE 1 - NO LONGER REPORTABLE STORAGE LOCATION  COMMON NAME, HAZARDOUS INC IN HIGHEST CON	PHYSICAL STATE USE TABLE I  ONS AT SITE  (TRADE )  GREDIEN  NCENTR.  (PHYSICAL STATE IN CENTR.  (PHYSICAL STATE IN CENTR.	VITATION: UNIT OF MEASURE USE TABLE II  VITATION: UNIT OF MEASURE	CODE USE TABLE III	CODE USE TABLE III	CODE USE TABLE II	CODE USE TABLE III	DAYS ON SITE  3 DIGIT NO.  NUMBER OF DAYS ON SITE	USE TABLES IV & V	USE TABLE VI	UN/NA NO. (IF KNOWN)  EPA PESTICIDE REGISTRATION NO.
HAZARDOUS INC IN HIGHEST CON  1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATION  COMMON NAME, HAZARDOUS INC IN HIGHEST CON  EHS 112(r)  1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER	PHYSICAL STATE USE TABLE I  ONS AT SITE  (TRADE )  GREDIEN  NCENTR.  (PHYSICAL STATE IN CENTR.  (PHYSICAL STATE IN CENTR.	VITATION: UNIT OF MEASURE USE TABLE II  VITATION: UNIT OF MEASURE	CODE USE TABLE III	CODE USE TABLE III	CODE USE TABLE II	CODE USE TABLE III	DAYS ON SITE  3 DIGIT NO.  NUMBER OF DAYS ON SITE	USE TABLES IV & V	USE TABLE VI	UN/NA NO. (IF KNOWN)  EPA PESTICIDE REGISTRATION NO.
HAZARDOUS INC IN HIGHEST CON  1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATION  COMMON NAME, HAZARDOUS INC IN HIGHEST CON  EHS 112(r) 1 - PURE 2 - MIXTURE 1 - PURE 1 - PURE 1 - PURE 1 - PURE 1 - NEW	PHYSICAL STATE USE TABLE I  ONS AT SITE  OR CENTRAL  ONS AT SITE  OR CENTRAL  PHYSICAL STATE  USE TABLE I	NAME: UNIT OF MEASURE USE TABLE II  UNIT OF MEASURE USE TABLE II  UNIT OF MEASURE USE TABLE II	CODE USE TABLE III	CODE USE TABLE III	CODE USE TABLE II	CODE USE TABLE III	DAYS ON SITE  3 DIGIT NO.  NUMBER OF DAYS ON SITE	USE TABLES IV & V	USE TABLE VI  HAZARD CLASSES USE TABLE VI	UN/NA NO. (IF KNOWN)  EPA PESTICIDE REGISTRATION NO.  CAS NO. (IF KNOWN)
HAZARDOUS INC IN HIGHEST CON  1 - PURE 2 - MIXTURB 1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATION  COMMON NAME, HAZARDOUS INC IN HIGHEST CON  EHS 112(r)  1 - PURE 2 - MIXTURB 1 - PURE 2 - MIXTURB 1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE USE TABLE I  ONS AT SITE  OR CENTRAL  ONS AT SITE  OR CENTRAL  PHYSICAL STATE  USE TABLE I	NAME: UNIT OF MEASURE USE TABLE II  UNIT OF MEASURE USE TABLE II  UNIT OF MEASURE USE TABLE II	CODE USE TABLE III	CODE USE TABLE III	CODE USE TABLE II	CODE USE TABLE III	DAYS ON SITE  3 DIGIT NO.  NUMBER OF DAYS ON SITE	USE TABLES IV & V  STORAGE CODE  USE TABLES IV & V	USE TABLE VI  HAZARD CLASSES USE TABLE VI	UN/NA NO. (IF KNOWN)  EPA PESTICIDE REGISTRATION NO.  CAS NO. (IF KNOWN)
HAZARDOUS INC IN HIGHEST CON  1 - PURE 2 - MIXTURB 1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATION  COMMON NAME, HAZARDOUS INC IN HIGHEST CON  EHS 112(r)  1 - PURE 2 - MIXTURB 1 - PURE 2 - MIXTURB 1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE USE TABLE I  ONS AT SITE  OR CENTRAL  ONS AT SITE  OR CENTRAL  PHYSICAL STATE  USE TABLE I	NAME: UNIT OF MEASURE USE TABLE II  UNIT OF MEASURE USE TABLE II  UNIT OF MEASURE USE TABLE II	CODE USE TABLE III	CODE USE TABLE III	CODE USE TABLE II	CODE USE TABLE III	DAYS ON SITE  3 DIGIT NO.  NUMBER OF DAYS ON SITE	USE TABLES IV & V  STORAGE CODE  USE TABLES IV & V	USE TABLE VI  HAZARD CLASSES USE TABLE VI	UN/NA NO. (IF KNOWN)  EPA PESTICIDE REGISTRATION NO.  CAS NO. (IF KNOWN)  UN/NA NO. (IF KNOWN)
HAZARDOUS INC IN HIGHEST CON  1 - PURE 2 - MIXTURB 1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATION  COMMON NAME, HAZARDOUS INC IN HIGHEST CON  EHS 112(r)  1 - PURE 2 - MIXTURB 1 - PURE 2 - MIXTURB 1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE USE TABLE I  ONS AT SITE  OR CENTRAL  ONS AT SITE  OR CENTRAL  PHYSICAL STATE  USE TABLE I	NAME: UNIT OF MEASURE USE TABLE II  UNIT OF MEASURE USE TABLE II  UNIT OF MEASURE USE TABLE II	CODE USE TABLE III	CODE USE TABLE III	CODE USE TABLE II	CODE USE TABLE III	DAYS ON SITE  3 DIGIT NO.  NUMBER OF DAYS ON SITE	USE TABLES IV & V  STORAGE CODE  USE TABLES IV & V	USE TABLE VI  HAZARD CLASSES USE TABLE VI	UN/NA NO. (IF KNOWN)  EPA PESTICIDE REGISTRATION NO.  CAS NO. (IF KNOWN)  UN/NA NO. (IF KNOWN)

ORM COMPANY	RETAIN A COPY OF	THIS SURVEY FOR 3 YEAR	$\mathbf{S}$
Due Date: DEC	CEMBER 1, 2000	2000	Facility ID Number
		ATE FIRE MARSHAL	006202
PLEASE TYPE OR PRINT	HAZARDOUS SUBST	TANCE INFORMATION SURVEY THE (BRACKETED) AREAS TO THE RIGHT OR BEL	OW THE PREPRINTED DATA
	RDOUS SUBSTANCE PRESENCE		5W THE TREE REPORTS
		- at this site in reportable quantities during this su	rvey period?
	there Extremely Hazardous Substand tities during this survey period?	ces (EHS) present at this site that meet the thresh	nold planning
		irements of Section 112(r) of the Clean Air Act?	•
SECTION B DEMIC	OGRAPHIC DATA Complete, correc	ct or add information in the [bracketed] areas.	
	_	ES AND INTERMEDIATES-MFG	4
2. SIC CODE 2:	DEFINITION:		
3. BUSINESS ACTIVIT	Y AT THIS SITE:		•
	OAL TAR PITCH TERMINA	L	
4. DUN & BRADSTREI	ET#: 02-773-4359		1
5. MANAGER'S NAME	: AMOS S KAMERER		]
	ON OF: AMOS S KAMERER	-	]
7. E-MAIL ADDRESS:	AMOS_KAMERER@KOPPERS.	COM [ kamereras@koppers.com	]
	KOPPERS INDUSTRIES IN		
10 CHTE ADDDESS	J	[ NAME OF THE PROPERTY OF THE	
10. <u>SITE</u> ADDRESS: 7540 NW ST H	IELENS RD	11. MAILING ADDRESS: 7540 NW ST HELENS RD	
	]		
CITY: PORTLAND	) 	CITY: PORTLAND	
COUNTY: MULTA	IOMAH	COUNTY: MULTNOMAH	
STATE: OR	ZIP CODE: 97210-366	3 STATE: OR ZIP COD	DE: 97210-3663
[ ]			[ ]
12. BUSINESS PHONI	E: 503-286-3681 1	3. NUMBER OF EMPLOYEES AT THIS SITE:	11 8 ]
		THIS SITE: 15. EMERGENCY CONTACT PHO	ONES:
AMOS S KAMER	RER	DAY 503-286-3681 N	VIGHT 503-246-8045
16. RESPONSIBLE FI	RE DEPARTMENT: PORTLAND	***************************************	
SDECIAL FIDE DEDA		Fire Station No. 22	
[]		ion is for information the fire service needs to know in c N. IF YES, WHERE AT SITE: Office and C	
17. X YES NO		SION SYSTEM PRESENT; e.g., sprinklered, halo	
19. XYES NO		TANKS/AREAS PLACARDED ACCORDING TO N	
20 YES X NO	ARE OTHER TYPES OF PLAC	CARDS USED?	
		SECTION C PERSON COMPLETING	
AMOS S KAMERER		This person will be contacted to answ	
KOPPERS INDI		1. PRINT NAME: A.S. Kamerer	
7540 NW ST 1	HELENS RD	2. SIGNATURE (REQUIRED):	
PORTLAND	OR 97210-3663	3 DATE: 11/27/00 PHONE NO	0. 503-286-3681

DE\_

For office use only

OSFMB130

cc: Mark Cilley, Traci Self

# 2000 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numbe

006202

Koppers012237

SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE BRACKETED AREAS

COMMON NAME/TRADE NAME:	ACETONE				
HAZARDOUS INGREDIENT	•		<b>.</b>		
IN HIGHEST CONCENTRATION:  BHS 112(r) PHYSICAL UNIT OF 1.	ACETONE AVG. AMT.   MAX. AMT.   AM	T. IN AMT. OUT NUMBER OF	STORAGE CODE	HAZARD CAS	NO. (IF KNOWN)
STATE MEASURE USE TABLE I USE TABLE II I	CODE CODE CO USE TABLE III USE TABLE III USE T	ODE CODE DAYS ON SITE ABLE III USE TABLE III 3 DIGIT NO.	USE TABLES IV & V	CLASSES USE TABLE VI	
1 - PURE 2 - MIXTURE 2 - 2	01 01 0	1 00 365	F 1 4	3.2 6.3	· 64 - 1
1 - NEW 2 - NO LONGER					NA NO. (IF KNOWN
REPORTABLE  STORAGE LOCATIONS AT SITE 1N	LAB AT W END	OF OFFICE B			1090
LDG	LAB AT W END	or orrice b			PA PESTICIDE
_				RE	GISTRATION NO.
COMMONINA ME/FRADE NA ME.	ACETVIENE		r	3	
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT	ACETYLENE				
IN HIGHEST CONCENTRATION:	ACETYLENE	TO DE LANCE OF LANCE OF LANCE			
EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II USE TABLE II	CODE CODE C	IT. IN AMT. OUT NUMBER OF ODE CODE DAYS ON SITE TABLE III USE TABLE III 3 DIGIT NO.	STORAGE CODE  USE TABLES IV & V	HAZARD CAS CLASSES USE TABLE VI	NO. (IF KNOWN)
1 - PURE 2 - MIXTURE			L 2 4	7.4.	-86-2
1 - NEW 3 3		20   00   365		2.1 6.3 L	NA NO. (IF KNOWN
2 - NO LONGER REPORTABLE			Francis Commission Commission		1001
	MAINTENANCE	SHOP IN REAR LE CARTS IN FR		<u> </u>	
ONT OF SHOP INSIDE	ON 2 PORTABL	LE CARIS IN IR		RI	EPA PESTICIDE EGISTRATION NO.
In and around the ma	aintenance shop	in the center of t	he plant, next	to the	1
[ Control room.				]	
***			<b>-</b>		
COMMON NAME/TRADE NAME:	BIG ORANGE	SOLVENT	[0]		
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	BIG ORANGE D-LIMONENE	SOLVENT	[		
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE	D-LIMONENE  AVG. AMT. MAX. AMT. AN CODE CODE C	MT. IN AMT. OUT NUMBER OF CODE DAYS ON SITE	[	CLASSES	NO, (IF KNOWN
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II USE TABLE II  1 PURE	D-LIMONENE  AVG. AMT. MAX. AMT. AN CODE CODE C	MT. IN AMT. OUT NUMBER OF	STORAGE CODE USE TABLES IV & V D 1	CLASSES USE TABLE VI	NO, (IF KNOWN 89-27-5
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF MEASURE USE TABLE II  2 1 PURE USE TABLE II  2 2 2	D-LIMONENE AVG. AMT. MAX. AMT. AN CODE CODE CODE USE TABLE III USE TABLE III USE  04 04 04	MT. IN AMT. OUT NUMBER OF DAYS ON SITE TABLE III USE TABLE III 3 DIGIT NO.	USE TABLES IV & V D 1	CLASSES USE TABLE VI  5 9  4 . 5	89-27-5
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF MEASURE USE TABLE II  2 1 PURE USE TABLE II  2 2 2	D-LIMONENE AVG. AMT. MAX. AMT. AN CODE CODE CODE USE TABLE III USE TABLE III USE  04 04 04	MT. IN AMT. OUT NUMBER OF CODE DAYS ON SITE TABLE III USE TABLE III 3 DIGIT NO.	USE TABLES IV & V D 1	CLASSES USE TABLE VI  5 9  4 . 5	
COMMON NAME/TRADE NAME: HAZARDOUS IN GREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II USE TABLE II  2 1 PURE USE TABLE II USE TABLE II  2 2 2  1 NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE  01	D-LIMONENE AVG. AMT. MAX. AMT. AM CODE CODE CO USE TABLE III USE TABLE III USE  04 04 04	MT. IN AMT. OUT NUMBER OF DAYS ON SITE TABLE III USE TABLE III 3 DIGIT NO.	USE TABLES IV & V D 1	CLASSES USE TABLE VI  5 9  4 . 5	89-27-5
COMMON NAME/TRADE NAME: HAZARDOUS IN GREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II USE TABLE II  1 - PURE 2 - MIXTURE 2 - NO LONGER REPORTABLE	D-LIMONENE AVG. AMT. MAX. AMT. AM CODE CODE CO USE TABLE III USE TABLE III USE  04 04 04	MT. IN AMT. OUT NUMBER OF CODE CODE DAYS ON SITE TABLE III USE TABLE III 3 DIGIT NO.  04 00 365	USE TABLES IV & V D 1	CLASSES USE TABLE VI  5 9  4 . 5  UN/	89-27-5
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE II  2 1 - PURE 2 - MEXTURE 2 2 2 2 1 - NEW 2 - NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE L STORAGE SHED	D-LIMONENE  AVG. AMT. MAX. AMT. AN CODE CODE CODE USE TABLE III USE TABLE III USE  04 04 04  L HOUSE IN MA	MT. IN AMT. OUT NUMBER OF CODE CODE DAYS ON SITE 3 DIGIT NO.  04 00 365  AINT BLDG & 01	USE TABLES IV & V D 1 [[] [] []	CLASSES USE TABLE VI  4.5  UN/	89-27-5 NA NO. (IF KNOWN
COMMON NAME/TRADE NAME: HAZARDOUS IN GREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II USE TABLE II  2 1 PURE USE TABLE II USE TABLE II  2 2 2  1 NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE  01	D-LIMONENE AVG. AMT. MAX. AMT. AN CODE CODE USE TABLE III USE TABLE III USE  04 04 04  L HOUSE IN MA  diesel storage	MT. IN AMT. OUT NUMBER OF CODE CODE DAYS ON SITE 3 DIGIT NO.  04 00 365  AINT BLDG & 01  shed, next to trace	USE TABLES IV & V D 1 [[] [] []	CLASSES USE TABLE VI  4.5  UN/	89-27-5 NA NO. (IF KNOWN
COMMON NAME/TRADE NAME: HAZARDOUS IN GREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE II  1 - PURE 2 - MIXTURE 2 - NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE L STORAGE SHED  In the oil, gas and	D-LIMONENE AVG. AMT. MAX. AMT. AN CODE CODE USE TABLE III USE TABLE III USE  04 04 04  L HOUSE IN MA  diesel storage	MT. IN AMT. OUT NUMBER OF CODE CODE DAYS ON SITE TABLE HILLSE TABLE HI	USE TABLES IV & V D 1	CLASSES USE TABLE VI  4.5  UN/	89-27-5 NA NO. (IF KNOWN
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II USE TABL	D-LIMONENE  AVG. AMT. MAX. AMT. AN CODE CODE USE TABLE III USE TABLE III USE  04 04 04  L HOUSE IN MA  diesel storage //ee service buil  COAL TAR P	MT. IN AMT. OUT NUMBER OF CODE CODE DAYS ON SITE TABLE HILLSE TABLE HI	USE TABLES IV & V D 1	CLASSES USE TABLE VI  4.5  UN/  Ren the	89-27-5  NA NO. (IF KNOWN   EPA PESTICIDE EGISTRATION NO.
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(rr) PHYSICAL UNIT OF STATE MEASURE USE TABLE II USE TAB	D-LIMONENE  AVG. AMT. MAX. AMT. AN CODE CODE USE TABLE III USE TABLE III USE  O4 O4  L HOUSE IN MA  diesel storage yee service buil  COAL TAR P  PYRENE  AVG. AMT. MAX. AMT. AA  AVG. AMT. MAX. AMT. AA	MT. IN AMT. OUT NUMBER OF CODE CODE DAYS ON SITE 3 DIGIT NO.  04 00 365  AINT BLDG & 01  shed, next to tracklding  ITCH	USE TABLES IV & V D 1 [ ] [ ] [ ] Ek. 5 and between	CLASSES USE TABLE VI  4.5  [	89-27-5  NA NO. (IF KNOWN  EPA PESTICIDE EGISTRATION NO.
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(rr) PHYSICAL UNIT OF STATE MEASURE USE TABLE II USE TABLE II  2 1 PURE 2 MEATURE 2 2  1 NEW 2 NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE 01  L STORAGE SHED  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(rr) PHYSICAL UNIT OF STATE MEASURE USE TABLE II	D-LIMONENE  AVG. AMT. MAX. AMT. AN CODE CODE  USE TABLE III USE TABLE III USE  O 4	ATT. IN AMT. OUT NUMBER OF DAYS ON SITE DAYS ON SITE OF TABLE III S DIGIT NO.  O4 00 365  AINT BLDG & 01  shed, next to tracelding	USE TABLES IV & V D 1 [ ] [ ] [ ] Ek. 5 and between	CLASSES USE TABLE VI  4.5  UN/  R  BENZO(A) PYRENI  HAZARD CLASSES USE TABLE VI	89-27-5  NA NO. (IF KNOWN  EPA PESTICIDE EGISTRATION NO.
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE II  2 2 2  1 - NEW USE TABLE II  2 1 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE OI  L STORAGE SHED  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE	D-LIMONENE  AVG. AMT. MAX. AMT. AN CODE CODE CODE  USE TABLE III USE TABLE III USE  O 4	MT. IN AMT. OUT NUMBER OF DAYS ON SITE TABLE III USE TABLE III 3 DIGIT NO.  04 00 365  AINT BLDG & 01  shed, next to trace to tra	USE TABLES IV & V D 1 [ ] [ ] [ ] Ek + 5 and between	CLASSES USE TABLE VI  4.5  UN/  R  BENZO(A) PYRENI  HAZARD CLASSES USE TABLE VI	89-27-5  NA NO. (IF KNOWN  EPA PESTICIDE EGISTRATION NO.
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II USE TABLE II USE TABLE II USE TABLE II  2 1 - PURE 2 - NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE LA STORAGE SHED  In the oil, gas and office and the emply  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II USE TABLE II  1 - PURE 1 - PURE USE TABLE II USE TABLE II  1 - PURE 2 - MIXTURE USE TABLE II USE TABLE II  2 2  1 - NEW 2 - NO LONGER	D-LIMONENE  AVG. AMT. MAX. AMT. AN CODE CODE CODE  USE TABLE III USE TABLE III USE  O 4	MT. IN AMT. OUT NUMBER OF DAYS ON SITE TABLE III USE TABLE III 3 DIGIT NO.  AINT BLOG & OI  Shed, next to trace diding  ITCH  MT. IN AMT. OUT NUMBER OF DAYS ON SITE TABLE III USE TABLE III 3 DIGIT NO.	USE TABLES IV & V D 1 [ ] [ ] [ ] Ek. 5 and between	CLASSES USE TABLE VI  4.5  UN/  R  PR the  BENZO(A) PYRENI  HAZARD CLASSES USE TABLE VI  4.5 6.4	89-27-5  NA NO. (IF KNOWN  EPA PESTICIDE EGISTRATION NO.  3  NO. (IF KNOWN  996-93-2
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE II  1 - PURE 2 - MIXTURE 2 - NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE L STORAGE SHED  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II  1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER REPORTABLE  2 2 2	D-LIMONENE  AVG. AMT. MAX. AMT. AN CODE CODE  USE TABLE III USE TABLE III USE  O 4 O 4  L HOUSE IN MA  Ciesel storage Tee Service buil  COAL TAR P  PYRENE  AVG. AMT. MAX. AMT. AL CODE CODE  USE TABLE III USE TABLE III USE  50 50  [43] [43]	MT. IN AMT. OUT NUMBER OF CODE CODE DAYS ON SITE 3 DIGIT NO.  O4 O0 365  AINT BLDG & O1  Shed, next to trace direction of the code Code Days on SITE 3 DIGIT NO.  MT. IN AMT. OUT NUMBER OF CODE CODE DAYS ON SITE 3 DIGIT NO.  60 60 365	USE TABLES IV & V D 1  [ ] [ ] [ ] [ ]  Ek. 5 and between  STORAGE CODE  USE TABLES IV & V A 1 5	CLASSES USE TABLE VI  4.5  UN/  R  PR the  BENZO(A) PYRENI  HAZARD CLASSES USE TABLE VI  4.5 6.4	89-27-5  NA NO. (IF KNOWN  EPA PESTICIDE EGISTRATION NO.  300 NO. (IF KNOWN  996-93-2  NA NO. (IF KNOWN  3077
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE II  1 - PURE 2 - MIXTURE 2 - NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE L STORAGE SHED  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II  1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER REPORTABLE  2 2 2	D-LIMONENE  AVG. AMT. MAX. AMT. AN CODE CODE  USE TABLE III USE TABLE III USE  O 4 O 4  L HOUSE IN MA  Ciesel storage Tee Service buil  COAL TAR P  PYRENE  AVG. AMT. MAX. AMT. AL CODE CODE  USE TABLE III USE TABLE III USE  50 50  [43] [43]	MT. IN AMT. OUT NUMBER OF DAYS ON SITE TABLE III USE TABLE III 3 DIGIT NO.  AINT BLDG & OI  shed, next to trace directly and the control of t	USE TABLES IV & V D 1 [ ] [ ] [ ] Ek+5 and between  STORAGE CODE USE TABLES IV & V A 1 5	CLASSES USE TABLE VI  4.5  UN/  En the  BENZO(A) PYRENI  HAZARD CLASSES USE TABLE VI  4.5 6.4  UN/  L  L  L  L  L  L  L  L  L  L  L  L  L	89-27-5  NA NO. (IF KNOWN  EPA PESTICIDE EGISTRATION NO.  300 NO. (IF KNOWN  996-93-2  INA NO. (IF KNOWN  3077  3257
COMMON NAME/TRADE NAME: HAZARDOUS IN GREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE II  1. NEW 2. NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE O1  L STORAGE SHED  COMMON NAME/TRADE NAME: HAZARDOUS IN GREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II USE TABLE II  1. PURE 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II USE TABLE II  1. PURE 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II USE TABLE II  1. PURE 2. MEASURE USE TABLE II USE TABLE II  1. PURE 2. MEASURE STORAGE LOCATIONS AT SITE 1 NEW 2. NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE 2. NO LOCATIONS AT SITE 2. NO LOCATIONS AT SITE 2. NO LOCATIONS AT SITE 2. NO LOCATIONS AT SITE 2. NO LOCATIONS AT SITE 2. NO LOCATIONS A	D-LIMONENE  AVG. AMT. MAX. AMT. AN CODE CODE  USE TABLE III USE TABLE III USE  O4 O4  L HOUSE IN MA  Ciesel storage Yee service buil  COAL TAR P  PYRENE  AVG. AMT. MAX. AMT. AN CODE CODE CODE  USE TABLE III USE TABLE III USE  50 50  [43] [43] [43]	MT. IN AMT. OUT NUMBER OF DAYS ON SITE TABLE III USE TABLE III 3 DIGIT NO.  AINT BLDG & OI  Shed, next to trace	USE TABLES IV & V D 1 [ ] [ ] [ ] Ek+5 and between  STORAGE CODE USE TABLES IV & V A 1 5	CLASSES USE TABLE VI  4.5  UN/  En the  BENZO(A) PYRENI  HAZARD CLASSES USE TABLE VI  4.5 6.4  UN/  L  L  L  L  L  L  L  L  L  L  L  L  L	89-27-5  NA NO. (IF KNOWN  EPA PESTICIDE EGISTRATION NO.  300 NO. (IF KNOWN  996-93-2  NA NO. (IF KNOWN  3077
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE II  2 1 - PURE 2 - MO LONGER REPORTABLE STORAGE LOCATIONS AT SITE L STORAGE SHED  COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE II  1 1 - PURE 2 - MIXTURE 1 1 - PURE 2 2 1 - NEW 2 - NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE  1 NEW 2 1 - NEW 2 - NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE  1 NEW 2 1 - NEW 3 TORAGE LOCATIONS AT SITE  1 NEW 3 TORAGE LOCATIONS AT SITE  1 NEW 3 TORAGE LOCATIONS AT SITE  1 NEW 3 TORAGE LOCATIONS AT SITE  1 NEW 3 TORAGE LOCATIONS AT SITE  1 NEW 3 TORAGE LOCATIONS AT SITE	D-LIMONENE  AVG. AMT. MAX. AMT. AN CODE CODE CODE  USE TABLE III USE TABLE III USE  O 4	MT. IN AMT. OUT NUMBER OF DAYS ON SITE TABLE III USE TABLE III 3 DIGIT NO.  AINT BLDG & OI  Shed, next to trace	USE TABLES IV & V D 1 [ ] [ ] [ ] Ek+5 and between  STORAGE CODE USE TABLES IV & V A 1 5	CLASSES USE TABLE VI  4.5  UN/  En the  BENZO(A) PYRENI  HAZARD CLASSES USE TABLE VI  4.5 6.4  UN/  L  L  L  L  L  L  L  L  L  L  L  L  L	89-27-5  NA NO. (IF KNOWN  EPA PESTICIDE EGISTRATION NO.  300 NO. (IF KNOWN  996-93-2  INA NO. (IF KNOWN  3077  3257

# 2000 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numb-

SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME:	COA	L TAR	РІТСН	· •			E.	-	•
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:	PYR	ENE					ſ	Benzo(a) pyl	ENE
EHS 112(r) PHYSICAL UNIT OF STATE MEASURE	AVG. AMT.	MAX. AMT.	AMT. IN CODE	AMT. OUT	NUMBER OF DAYS ON SITE	STORAGE COL	E	HAZARD CLASSES	CAS NO. (IF KNOW)
1 - PURE USE TABLE ! USE TABLE !			SE TABLE III		3 DIGIT NO.	USE TABLES IV &	4	USE TABLE VI	65996-93-2
2 - MIXTURE 1 1	53	60	80	80	365			4.5 6.4	<u> </u>
1 · NEW 2 · NO LONGER REPORTABLE	[ 40]		[60]	[60]					UN/NA NO. (IF KNOW)
	ITCH S	TORAGE	BUIL	DINGS					
					. \				EPA PESTICIDE REGISTRATION NO.
•									B
COMMON NAME/TRADE NAME:	CRE	OSOTE					[		
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2 - MIXTURE 2 2	10	10	- 10	10	365	D 1  - F 1	4	4.5 6.3	[
2 1 - NEW 2 - NO LONGER		[ ]			[ ]				UN/NA NO. (IF KNOW)
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ON ASPHALT IN REAR	OF MA	INTENA	NCE S	SHOP	.,				EPA PESTICIDE
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# 2000 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numbe 006202

SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME:	GASO	LINE					[88		-
HAZARDOUS INGREDIENT		15 MT				,			
LN HIGHEST CONCENTRATION  EHS 112(p)PHYSICAL UNIT OF			AMT. IN	AMT. OUT	NUMBER OF		L	HAZARD	
EHS 112(r) PHYSICAL UNIT OF STATE MEASUR USE TABLE I USE TABLE	E CODE	CODE	CODE	CODE	DAYS ON SITE 3 DIGIT NO.	STORAGE COI		CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
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	N CANS								
AREA ROOM IN MAINT H CLOSED DOORS SE E	ND OF E	SHUP, BUILDI	NG L	UCKEK	S WII (				EPA PESTICIDE REGISTRATION NO.
In the oil, gas and office and the empi				next	to Trac	ik 5 and b	etwe	en the]	[ ]
COMMON NAME/TRADE NAME			************	DIST	ILLATE		f		
HAZARDOUS INGREDIENT				V131	ILLAIL		<b>L</b>		
IN HIGHEST CONCENTRATION		SOTE				_ ·			
EFS 112(r) PHYSICAL UNIT O	RE CODE	CODE	CODE	CODE	NUMBER OF DAYS ON SITE	STORAGE CO		HAZARD CLASSES	CAS NO. (IF KNOWN)
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1 - NEW 2 - NO LONGER REPORTABLE		31.1							UN/NA NO. (IF KNOWN 3082
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#33 OR POSSIBLY IN	A KAIL	CAR	N IKA	CK #3	ţ	L			EPA PESTICIDE REGISTRATION NO.
In the tank farm,	in tank	. #22	# <i>67</i> ~~	# #162				]	
THE CHE CARE TALM!	III CGIRS	<u> </u>	ro, an	u #102					
COMMON NAME/TRADE NAME HAZARDOUS INGREDIENT	: MOT	OR OIL							
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION	: HIG	OR OIL HLY RE	FINED	BASE	OILS		[		
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION  EHS 112(r) PHYSICAL UNIT O STATE MEASU	F AVG. AMT.	MAX. AMT.	AMT. IN CODE	AMT. OUT	NUMBER OF DAYS ON SITE	STORAGE CO		HAZARD CLASSES	CAS NO. (IF KNOWN)
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HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE TO 1 - PURE 2 - MIXTURE 2 - MIXTURE 2 - PURE 2 - NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE ENANCE SHOP, SOUTHE  In the oil, gas are concentration  COMMON NAME/TRADE NAME HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I LISE TABLE  T 1 - PURE	HIGHT AVG. AMT.  CODE  O 4  IN OIL  ND OF  COYERS  COXY  OXY  OXY  OXY  AVG. AMT.  CODE	MAX. AMT. CODE USE TABLE III  04  E STORAG BUILDI STORAG CVICE B GEN  GEN  MAX. AMT. CODE	AMT. IN CODE USE TABLE III  O 4  [ ]  E ROC  NG  e shed  uildin	AMT. OUT CODE USE TABLE III  OO IN IN AMT. OUT CODE	NUMBER OF DAYS ON SITE 3 DIGIT NO. 365  MAINT  TO TEAC!	USE TABLES IV D 1  [ ] [ ] [ ]	4 [ ] etwee	CIASSES USE TABLE VI  4.5  In the	64742-54-7  UN/NA NO. (IF KNOWN  1270  EPA PESTICIDE REGISTRATION NO.
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION  EHS 1112(r) PHYSICAL UNIT OF STATE MEASU STATE MEASU  1 - PURE 2 - MEXTURE 2 2  1 - NEW 2 - NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE ENANCE SHOP, SOUTHE  In the oil, gas and office and the emp  COMMON NAME/TRADE NAME HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION  EIS 112(r) PHYSICAL UNIT OF STATE MEASU USE TABLE! USE TABLE!  112(r) PHYSICAL UNIT OF STATE MEASU USE TABLE! USE TABLE! USE TABLE! USE TABLE!	HIGHT AVG. AMT.  CODE  O 4  IN OIL  ND OF  COYERS  COXY  OXY  OXY  OXY  AVG. AMT.  CODE	MAX. AMT. CODE USE TABLE III  04  E STORAG BUILDI STORAG CVICE B GEN  GEN  MAX. AMT. CODE	AMT. IN CODE USE TABLE III  O 4  [ ]  E ROC  NG  e shed  uildin	AMT. OUT CODE USE TABLE III  OO IN AMT. OUT CODE IUSE TABLE III  OO	NUMBER OF DAYS ON SITE 3 DIGIT NO. 365  MAINT  TO TEAC!	USE TABLES IV D 1 L L L L L L L L L L L L L L L L L L	etwee	CLASSES USE TABLE VI  4.5  In the	64742-54-7 [
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HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION  EHS 112(r) PHYSICAL UNIT OF STATE MEASU  IN PURE 2 MEXTURE 2  1 - PURE 2 MEXTURE 2  1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE  ENANCE SHOP, SOUTHE  COMMON NAME/TRADE NAME HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION  EHS 112(r) PHYSICAL UNIT OF STATE MEASU  STORAGE LOCATIONS AT SITE  1 - PURE 2 - MIXTURE 3  1 - PURE 3  1 - PURE 3  1 - PURE 3  3 3  1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE	HIGH AVG. AMT.  CODE  IN OIL  NO OF  CODE  OA  CODE  OA  CODE  OA  CODE  OA  CODE  COD  COD	MAX. AMT. CODE USE TABLE III  04  E STORAG BUILDI  STORAG CVICE  GEN  GEN  MAX. AMT. CODE USE TABLE III  11	AMT. IN CODE USE TABLE III  O 4  E ROC NG  e shed uildin  AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III  OO IN AMT. OUT CODE IUSE TABLE III  OO IN IN IN IN IN IN IN IN IN IN IN IN IN	NUMBER OF DAYS ON SITE 3 DIGIT NO. 365  MAINT  TO TEAC!  NUMBER OF DAYS ON SITE 3 DIGIT NO. 365	USE TABLES IV D 1 L L L L L L L L L L L L L L L L L L	etwee	CLASSES USE TABLE VI  4.5  HAZARD CLASSES USE TABLE VI	64742-54-7 [
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION  EHS 112(r) PHYSICAL UNIT OF STATE MEASU  IN PURE 2 MEXTURE 2  1 - PURE 2 MEXTURE 2  1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE  ENANCE SHOP, SOUTHE  IN the Oil, gas are Office and the emportable a	HIGH AVG. AMT.  CODE  IN OIL  NO OF  CODE  OA  CODE  OA  CODE  OA  CODE  OA  CODE  COD  COD	MAX. AMT. CODE USE TABLE III  04  E STORAG BUILDI  STORAG CVICE  GEN  GEN  MAX. AMT. CODE USE TABLE III  11	AMT. IN CODE USE TABLE III  O 4  E ROC NG  e shed uildin  AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III  OO IN AMT. OUT CODE IUSE TABLE III  OO IN IN IN IN IN IN IN IN IN IN IN IN IN	NUMBER OF DAYS ON SITE 3 DIGIT NO. 365  MAINT  TO TEAC!  NUMBER OF DAYS ON SITE 3 DIGIT NO. 365	USE TABLES IV D 1 L STORAGE CO USE TABLES IV L 2	etwee	CLASSES USE TABLE VI  4.5  HAZARD CLASSES USE TABLE VI	64742-54-7 [
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION  EHS 112(r) PHYSICAL UNIT OF STATE MEASU  T 1-PURE 2 MEXTURE 2  1-NEW 2-NOLONGER REPORTABLE  STORAGE LOCATIONS AT SITE  ENANCE SHOP, SOUTHE  COMMON NAME/TRADE NAME HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION  EHS 112(r) PHYSICAL UNIT OF STATE MEASU USE TABLE I USE TABLE  T 1-PURE 2 MEASU USE TABLE I USE TABLE  LIZET PHYSICAL UNIT OF STATE MEASU USE TABLE I USE TABLE  T 1-PURE 2 MONTURE 3  1 NEW 2 NOLONGER REPORTABLE  STORAGE LOCATIONS AT SITE  AR OF MAINTENANCE	HIGH AVG. AMT.  CODE  IN OIL  ND OF  Citesel  Coyee se  CODE  CODE  IN OXY  CODE  CODE  CODE  IN OXY  CODE  COD  COD	MAX. AMT. CODE USE TABLE III  04  STORAG BUILDI  STORAG BUILDI  STORAG BUILDI  STORAG USE TABLE III  11  DERS (	AMT. IN CODE USE TABLE III  O 4  E ROC NG  E Shed Uildin  AMT. IN CODE USE TABLE II  20  ON 3 (	AMT. OUT CODE USE TABLE III  OO IN MIN AMT. OUT CODE USE TABLE II OO CARTS	NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  MAINT  TO TEAC!  NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  IN RE	USE TABLES IV D 1 L STORAGE CO USE TABLES IV L 2 L SE TABLES IV L	etwee	CLASSES USE TABLE VI  4.5  In the  HAZARD CLASSES USE TABLE VI  2.2 5.1	64742-54-7 [
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION  EHS 112(r) PHYSICAL UNIT OF STATE MEASU  IN PURE 2 MEXTURE 2  1 - PURE 2 MEXTURE 2  1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE  ENANCE SHOP, SOUTHE  COMMON NAME/TRADE NAME HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION  EHS 112(r) PHYSICAL UNIT OF STATE MEASU  STORAGE LOCATIONS AT SITE  1 - PURE 2 - MIXTURE 3  1 - PURE 3  1 - PURE 3  1 - PURE 3  3 3  1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE	HIGH AVG. AMT.  O 4  NOIL  NOIL  NO OF  COYPE SE  OXY  NO OXY	MAX. AMT. CODE USE TABLE III  04  STORAG BUILDI  STORAG BUILDI  STORAG BUILDI  STORAG USE TABLE III  11  DERS (	AMT. IN CODE USE TABLE III  O 4  E ROC NG  E Shed Uildin  AMT. IN CODE USE TABLE II  20  ON 3 (	AMT. OUT CODE USE TABLE III  OO IN MIN AMT. OUT CODE USE TABLE II OO CARTS	NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  MAINT  TO TEAC!  NUMBER OF DAYS ON SITE 3 DIGIT NO.  365  IN RE	USE TABLES IV D 1 L STORAGE CO USE TABLES IV L 2 L SE TABLES IV L	etwee	CLASSES USE TABLE VI  4.5  HAZARD CLASSES USE TABLE VI  2.2 5.1	64742-54-7 [

# 2000 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numbe 006202

SECTION D

SUBSTANCE INFORMATION - Type or print only changes in the [Bracketed] areas

SUBSTANCE INFORMATION - TYPE OR PRINT Q	JNLY CHANGES IN THE [DRACKETELD] AREAS
COMMON NAME/TRADE NAME: PERCHLOROETHYLENE HAZARDOUS INGREDIENT	
IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE	
EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF CODE CODE CODE DAYS ON SITE	STORAGE CODE HAZARD CAS NO. (IF KNOWN)
STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE I USE TABLE II USE TABLE III	USE TABLES IV &V USE TABLE VI 127 - 18 - 4
2 2 01 01 02 00 365	9.0
1 - NEW 2 - NO LONGER REPORTABLE	UN/NA NO. (IF KNOWN 1897
STORAGE LOCATIONS AT SITE IN METAL DRUM OUTSIDE WEND	
OF LAB & GLASS BOTTLES IN THE LAB	EPA PESTICIDE REGISTRATION NO.
In glass bottles in the lab	
DETRALEUR DOOF OF ALL OLL	2071 UT
COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CAL HAZARDOUS INGREDIENT	UKIA HI [
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES  [EHS ] 112(17) PHYSICAL UNIT OF AVG. AMT. MAX. AMT.   AMT. IN AMT. OUT   NUMBER OF	TOTAL OF CONT. HAZARD CAS NO (JE KNOWN)
EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III OSE	STORAGE CODE HAZARD CAS NO. (IF KNOWN)  USE TABLES IV & V USE TABLE VI
2 1 - PURE 2 - MINITI IRP	A 1 5
2 2 20 20 10 00 365	4.5 UN/NA NO. (IF KNOWN
2 - NO LONGER REPORTABLE	
STORAGE LOCATIONS AT SITE IN ABOVE GROUND EXPANSION TANK NEXT TO TANK #65	EPA PESTICIDE
	REGISTRATION NO.
In the oil, gas and diesel storage shed, next to trace office and the employee service building.	ck 5 and between the
2012115	
COMMON NAME/TRADE NAME: PROPANE HAZARDOUS INGREDIENT	, [
COMMON NAME/TRADE NAME: PROPANE HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PROPANE	
COMMON NAME/TRADE NAME: PROPANE  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PROPANE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE	STORAGE CODE HAZARD CLASSES CAS NO. (IF KNOWN)
COMMON NAME/TRADE NAME: PROPANE  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PROPANE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III  USE TABLES IV & V LSE TABLE VI LSE TABLE VI TA 4 - 98 - 6	
COMMON NAME/TRADE NAME: PROPANE  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PROPANE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III OSE TABLE II	USE TABLES IV & V L 2 6 USE TABLE VI 74-98-6 2.1
COMMON NAME/TRADE NAME: PROPANE  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PROPANE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III  USE TABLES IV & V L 2 6	
COMMON NAME/TRADE NAME: PROPANE  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PROPANE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III  USE TABLES IV & V L 2 6	
COMMON NAME/TRADE NAME: PROPANE  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PROPANE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III  USE TABLES IV & V L 2 6 2 . 1	
COMMON NAME/TRADE NAME: PROPANE  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PROPANE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III USE TAB	CLASSES
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COMMON NAME/TRADE NAME: PROPANE  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PROPANE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III USE TAB	CLASSES
COMMON NAME/TRADE NAME: PROPANE  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PROPANE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III US	CLASSES
COMMON NAME/TRADE NAME: PROPANE  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PROPANE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III US	USE TABLES IV & V L 2 6 2 . 1
COMMON NAME/TRADE NAME:  PROPANE  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  ELS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF CODE CODE CODE CODE CODE DAYS ON SITE  1. PURE 2. MONTURE 3 2 04 04 20 00 365  1. NEW 2. NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE OUT SIDE IN THE REAR OF THE MAINTENANCE BUILDING, IN FORK LIFTS IN SAME ARE A, AND IN CANNISTERS AT TRACK #5 LOADING STATION  In storage canisters at the back of the control room is  COMMON NAME/TRADE NAME:  4 LOADING REFINED  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  2 UINOLINE  ENS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF CODE CODE CODE CODE CODE CODE CODE CODE	STORAGE CODE CLASSES USE TABLE VI LISE TABLES IV & V LISE TABLES IV & V LISE TABLE VI LISE TABLES IV & V LISE TABLE VI LISE TABLE VI LISE TABLES IV & V LISE TABLE VI LISE
COMMON NAME/TRADE NAME: PROPANE  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PROPANE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT DAYS ON SITE CODE CODE CODE CODE CODE DAYS ON SITE DAYS ON SITE USE TABLE III USE TABL	STORAGE CODE  STORAGE CODE  STORAGE CODE  STORAGE CODE  CLASSES  USE TABLE VI  TA - 98 - 6  [ ] UN/NA NO. (IF KNOWN 1075  [ ] EPA PESTICIDE REGISTRATION NO.  SULLIGING:  STORAGE CODE  CLASSES  CAS NO. (IF KNOWN 1075  [ ] PA PESTICIDE REGISTRATION NO.  STORAGE CODE  CLASSES  USE TABLE VI  F 1 4  8.0
COMMON NAME/TRADE NAME:  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  HES 112(r) PHYSICAL UNTO F AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE CODE 1. PURE 2. MONTURE 3 2 04 04 20 00 365  1. NBW 2. NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE OUT SIDE IN THE REAR OF THE MAINTENANCE BUILDING, IN FORK LIFTS IN SAME ARE A, AND IN CANNISTERS AT TRACK #5 LOADING STATION  In storage canisters at the back of the control roots of the	STORAGE CODE  CLASSES  USE TABLES IV & V L 2 6  2 . 1  [] [] [] [] [] UN/NA NO. (IF KNOWN 1075  [] [] [] [] EPA PESTICIDE REGISTRATION NO.  STORAGE CODE  CLASSES  CAS NO. (IF KNOWN 1075  [] [] [] [] UN/NA NO. (IF KNOWN 1075)  [] [] [] [] [] [] [] UN/NA NO. (IF KNOWN 1075)  [] [] [] [] [] [] [] UN/NA NO. (IF KNOWN 1075)  [] [] [] [] [] [] [] [] [] [] [] [] [] [
COMMON NAME/TRADE NAME:  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE    FIRST	STORAGE CODE  STORAGE CODE  STORAGE CODE  STORAGE CODE  CLASSES  USE TABLE VI  TA - 98 - 6  [ ] UN/NA NO. (IF KNOWN 1075  [ ] EPA PESTICIDE REGISTRATION NO.  SULLIGING:  STORAGE CODE  CLASSES  CAS NO. (IF KNOWN 1075  [ ] PA PESTICIDE REGISTRATION NO.  STORAGE CODE  CLASSES  USE TABLE VI  F 1 4  8.0
COMMON NAME/TRADE NAME:  PROPANE  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF CODE CODE CODE CODE DAYS ON SITE  1. PURE CODE CODE CODE CODE DAYS ON SITE  2. MORTURE 3 2 04 04 20 00 365  1. NEW STORAGE LOCATIONS AT SITE OUTSIDE IN THE REAR OF THE MAINTENANCE BUILDING, IN FORK LIFTS IN SAME ARE A, AND IN CANNISTERS AT TRACK #5 LOADING STATION  In storage canisters at the back of the control room E  COMMON NAME/TRADE NAME:  HAZARDOUS INGREDIENT  IN HIGHEST CONCENTRATION:  QUINOLINE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. OUT NUMBER OF CODE CODE CODE CODE CODE CODE CODE CODE	CLASSES
COMMON NAME/TRADE NAME:  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE    FIRST	STORAGE CODE  STORAGE CODE  STORAGE CODE  STORAGE CODE  CLASSES  USE TABLE VI  A.  DUILIGING.   STORAGE CODE  CLASSES  CAS NO. (IF KNOWN  1075  EPA PESTICIDE REGISTRATION NO.  CLASSES  CAS NO. (IF KNOWN)  1075  EPA PESTICIDE REGISTRATION NO.  STORAGE CODE  LESE TABLES IV & V  F  1 4  8.0  UN/NA NO. (IF KNOWN)  1760  EPA PESTICIDE  EPA PESTICIDE
COMMON NAME/TRADE NAME:  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  PROPANE    FIRST	STORAGE CODE  STORAGE CODE  STORAGE CODE  STORAGE CODE  CLASSES  USE TABLE VI  A.  DUILIGING.   STORAGE CODE  CLASSES  CAS NO. (IF KNOWN  1075  EPA PESTICIDE REGISTRATION NO.  CLASSES  CAS NO. (IF KNOWN)  1075  EPA PESTICIDE REGISTRATION NO.  STORAGE CODE  LESE TABLES IV & V  F  1 4  8.0  UN/NA NO. (IF KNOWN)  1760  EPA PESTICIDE  EPA PESTICIDE

# 2000 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numbe

SECTION D

NCE INFORMATION SURVEY 006202

TYPE OF PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

	DNLI CHANGES IN		
COMMON NAME/TRADE NAME: REFINED TAR			
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDROCARBONS			
EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN
2 1 - PURE USE TABLE II USE TABLE III USE TA	USE TABLES IN & V	USE TABLE VI	65996-93-2
2 MIXTURE 2 2 21 30 00 30 365	A 1 5	4.2	UN/NA NO. (IF KNOWN
2 I - NEW 2 - NO LONGER REPORTABLE		L JL J	3257
STORAGE LOCATIONS AT SITE IN TANK CARS ON TRACK #3 OR #5			
			EPA PESTICIDE REGISTRATION NO.
			F
			L J
COMMON NAME/TRADE NAME: SODIUM HYDROXIDE	[		
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE	ſ		
EHS PHYSICAL UNIT OF AVG. AMT. MAX. AMT. N AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE II USE TABLE III 3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	1310-73-2
2 MIXTURE 1 1 1 10 10 20 00 365		8.0 6.3	
1 - NEW 2 - NO LONGER [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [			UN/NA NO. (IF KNOWN
STORAGE LOCATIONS AT SITE IN BOILER ROOM E END			
	<u></u>	·	EPA PESTICIDE REGISTRATION NO.
E IN THE BOILS HOUSE PUILSING		1	r
-			
	\$1000000\$600000000000000000000000000000	569556555555555555 <del>5</del> 5655555555666555	
COMMON NAME/TRADE NAME: SODIUM SULFITE	[		
HAZARDOUS INGREDIENT	[		
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: SODIUM SULFITE  LIST PHYSICAL UNIT OF AVG. AMT. MAX. AMT. IN AMT. OUT NUMBER OF	STORAGE CODE	HAZARD	CAS NO. (IF KNOWN)
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: SODIUM SULFITE	USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	
HAZARDOUS INGREDIENT  N HIGHEST CONCENTRATION: SODIUM SULFITE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III USE T		CLASSES	CAS NO. (IF KNOWN) 7757-83-7
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HAZARDOUS INGREDIENT  IN HIGHEST CONCENTRATION: SODIUM SULFITE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III	USE TABLES IV & V	CLASSES USE TABLE VI	7757-83-7
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  SODIUM SULFITE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF CODE CODE CODE CODE DAYS ON SITE  USE TABLE I USE TABLE III	USE TABLES IV & V I 1 4	CLASSES USE TABLE VI	7757-83-7 [ ] UN/NA NO. (IF KNOWN
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HAZARDOUS INGREDIENT  IN HIGHEST CONCENTRATION: SODIUM SULFITE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE GODE DAYS ON SITE DAYS ON SITE DAYS ON SITE 1. NEW 1. NO LONGER REPORTABLE TO LOSE TABLE II USE TABLE III USE TABL	USE TABLES IV & V I 1 4	CLASSES USE TABLE VI	7757-83-7  UN/NA NO. (IF KNOWN  0000  EPA PESTICIDE REGISTRATION NO.
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HAZARDOUS INGREDIENT  IN HIGHEST CONCENTRATION: SODIUM SULFITE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF STATE MEASURE CODE CODE CODE CODE DAYS ON SITE USE TABLE II USE TABLE III	USE TABLES IV & V  T  T  T  T  T  STORAGE CODE  USE TABLES IV & V  D  T  4	CLASSES USE TABLE VI  6.3  HAZARD CLASSES USE TABLE VI	7757-83-7 [
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HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  SODIUM SULFITE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF CODE CODE CODE DAYS ON SITE  1 - PURE 2 - MENTURE 1 1 1 0 10 20 00 365  1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE IN BOILER ROOM E END  COMMON NAME, TRADE NAME:  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  TO LUENE  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  TO LUENE  LIST TABLE II USE TABLE III U	STORAGE CODE USE TABLES IV & V  I 1 4  STORAGE CODE USE TABLES IV & V D 1 4 N 1 4	CLASSES USE TABLE VI  6.3  HAZARD CLASSES USE TABLE VI	7757-83-7 [
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  SODIUM SULFITE  EHS 112(r) PHYSICAL UNIT OF AVG. AMT. MAX. AMT. AMT. IN AMT. OUT NUMBER OF CODE CODE CODE DAYS ON SITE  1 - PURE 2 - MENTURE 1 1 1 0 10 20 00 365  1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE IN BOILER ROOM E END  COMMON NAME, TRADE NAME:  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  TO LUENE  HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  TO LUENE  LIST TABLE II USE TABLE III U	STORAGE CODE USE TABLES IV & V  I 1 4  STORAGE CODE USE TABLES IV & V D 1 4 N 1 4	CLASSES USE TABLE VI  6.3  HAZARD CLASSES USE TABLE VI  3.2 6.3	7757-83-7  [

# 2000 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numbe 006202

SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

COMMONINAMENTO DE STATE	XYLENE			1		
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT			*	•		
IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF	XYLENE	AMT. AMT. IN	AMT. OUT   NUMBER	OF	HAZARD	GAS NO HE PROTUN
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1 - NEW 2 - NO LONGER						UN/NA NO. (IF KNOWN
REPORTABLE	METAL D	RUM OUTS	IDE W END			1307
OF LAB ALSO IN PLAST	IC BOTTL	E IN LAB				EPA PESTICIDE REGISTRATION NO.
<b>[</b>					· · · · · · · · · · · · · · · · · · ·	3125-372
					]	
COMMON NAME/TRADE NAME:						
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:				1		
EHS PHYSICAL UNIT OF STATE MEASURE	AVG. AMT. MAX.		AMT. OUT NUMBER		HAZARD CLASSES	CAS NO. (IF KNOWN)
1 - PURE USE TABLE I USE TABLE II					USE TABLE VI	
2 - MIXTURE			·			[ ]
1 - NEW 2 - NO LONGER REPORTABLE					]  [ ][ ]	UN/NA NO. (IF KNOWN
STORAGE LOCATIONS AT SITE						[
				<u> </u>		EPA PESTICIDE REGISTRATION NO.
					]	[ ]
#0:/***********************************						
COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT					[	<u>t</u>
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:						
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS PHYSICAL UNIT OF STATE MEASURE		DE CODE	AMT. OUT NUMBER	SITE STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF	CODE CO	DE CODE	CODE DAYS ON	SITE STORAGE CODE		CAS NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHB 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE II	CODE CO USE TABLE III USE TA	DE CODE ABLE III USE TABLE III	CODE DAYS ON USE TABLE III 3 DIGIT S	SITE STORAGE CODE	CLASSES USE TABLE VI	CAS NO. (IF KNOWN  UN/NA NO. (IF KNOWN
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HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE 1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER REPORTABLE	CODE CO USE TABLE III USE TA	DE CODE ABLE III USE TABLE III	CODE DAYS ON USE TABLE III 3 DIGIT S	SITE STORAGE CODE	CLASSES USE TABLE VI	
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HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE 1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE  COMMON NAME, TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE 1 - PURE 2 - MIXTURE 1 - PURE 1 - PURE 1 - LISE TABLE I USE TABLE I  1 - PURE 2 - MIXTURE 1 - PURE 1 - P	CODE CO USE TABLE III USE TA  [ AVG. AMT. MAX 2 CODE CO	AMT. AMT. IN CODE  ABLE III USE TABLE III  AMT. IN CODE  ABLE III USE TABLE II	CODE DAYS ON USE TABLE III 3 DIGIT 1	SITE STORAGE CODE  STORAGE CODE  STORAGE CODE	CLASSES USE TABLE VI  HAZARD CLASSES	UN/NA NO. (IF KNOWN  EPA PESTICIDE REGISTRATION NO.
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE 1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE  COMMON NAME TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE 1 - PURE 2 - MIXTURE 2 - NO LONGER REPORTABLE	AVG. AMT. MAX CODE CC USE TABLE III USE TABL	DE CODE ABLE III USE TABLE III  AMT. IN DDE CODE	CODE DAYS ON USE TABLE III 3 DIGIT STABLE III 3 DIG	ROF STORAGE CODE  SITE STORAGE CODE  STORAGE CODE  STORAGE CODE  STORAGE CODE  STORAGE CODE  STORAGE CODE  STORAGE CODE	CLASSES USE TABLE VI  HAZARD CLASSES USE TABLE VI	UN/NA NO. (IF KNOWN  EPA PESTICIDE REGISTRATION NO.  CAS NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE 1 - PURE 2 - MIXTURE 1 - NSW 2 - NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE  COMMON NAME, TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE USE TABLE I USE TABLE I  1 - PURE 2 MIXTURE 1 - NEW 1 - NEW 2 - NO LONGER	AVG. AMT. MAX CODE CC USE TABLE III USE TABL	AMT. AMT. IN CODE  ABLE III USE TABLE III  AMT. IN CODE  ABLE III USE TABLE II	CODE DAYS ON USE TABLE III 3 DIGIT STABLE III 3 DIG	SITE STORAGE CODE  STORAGE CODE  STORAGE CODE	CLASSES USE TABLE VI  HAZARD CLASSES USE TABLE VI	UN/NA NO. (IF KNOWN  EPA PESTICIDE REGISTRATION NO.  CAS NO. (IF KNOWN  UN/NA NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE 1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE  COMMON NAME TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE 1 - PURE 2 - MIXTURE 2 - NO LONGER REPORTABLE	AVG. AMT. MAX CODE CC USE TABLE III USE TABL	AMT. AMT. IN CODE  ABLE III USE TABLE III  AMT. IN CODE  ABLE III USE TABLE II	CODE DAYS ON USE TABLE III 3 DIGIT STABLE III 3 DIG	ROF STORAGE CODE  SITE STORAGE CODE  STORAGE CODE  STORAGE CODE  STORAGE CODE  STORAGE CODE  STORAGE CODE  STORAGE CODE	CLASSES USE TABLE VI  HAZARD CLASSES USE TABLE VI	UN/NA NO. (IF KNOWN  EPA PESTICIDE REGISTRATION NO.  CAS NO. (IF KNOWN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE 1 - PURE 2 - MIXTURE 1 - NEW 2 - NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE  COMMON NAME TRADE NAME: HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:  EHS 112(r) PHYSICAL UNIT OF STATE MEASURE 1 - PURE 2 - MIXTURE 2 - NO LONGER REPORTABLE	AVG. AMT. MAX CODE CC USE TABLE III USE TABL	AMT. AMT. IN CODE  ABLE III USE TABLE III  AMT. IN CODE  ABLE III USE TABLE II	CODE DAYS ON USE TABLE III 3 DIGIT STABLE III 3 DIG	ROF STORAGE CODE  SITE STORAGE CODE  STORAGE CODE  STORAGE CODE  STORAGE CODE  STORAGE CODE  STORAGE CODE  STORAGE CODE	CLASSES USE TABLE VI  HAZARD CLASSES USE TABLE VI	UN/NA NO. (IF KNOWN  EPA PESTICIDE REGISTRATION NO.  CAS NO. (IF KNOWN  UN/NA NO. (IF KNOWN

# 2000 OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numbe

SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME:	4 ×		<b>E</b>		•
HAZARDOUS IN GREDIENT IN HIGHEST CONCENTRATION:			<b>1</b>		
	I. MAX.AMT. AMT. IN AMT. OU CODE CODE CODE	T NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
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1 - NEW 2 - NO LONGER REPORTABLE				ן ו ו	UN/NA NO. (IF KNOWN
STORAGE LOCATIONS AT SITE					[]
					EPA PESTICIDE REGISTRATION NO.
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COMMON NAME/TRADE NAME: HAZARDOUS INGREDIENT		•	<b>L</b>		
IN HIGHEST CONCENTRATION:					
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L- NEW		]			UN/NA NO. (IF KNOWN
2 - NO LONGER REPORTABLE STORAGE LOCATIONS AT SITE	d Landing Landing				
5.0140B BOCATIONS AT SITE					EPA PESTICIDE
					REGISTRATION NO.
					[]
COMMON NAME/TRADE NAME:			ſ		
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IN UICITED CONCENTED A DION					
		UT NUMBER OF	STORAGE CODE	HAZARD	(CAS NO. (IF KNOWN)
ZHS PHYSICAL UNIT OF AVG. AM STATE MEASURE CODE		DAYS ON SITE	STORAGE CODE  USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
PHYSICAL UNIT OF AVG. AM STATE MEASURE CODE USE TABLE I USE TABLE II USE TABLE  1 - PURE 2 - MIXTURE	CODE CODE CODE SIII USE TABLE III USE TABLE	DAYS ON SITE E III 3 DIGIT NO.		CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
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PHYSICAL UNIT OF AVG. AV STATE MEASURE CODE  1 · PURE 2 · MIXTURE 1 · NEW 2 · NO LONGER REPORTABLE	CODE CODE CODE SIII USE TABLE III USE TABLE	DAYS ON SITE E III 3 DIGIT NO.	USE TABLES IV & V	CLASSES USE TABLE VI	
PHYSICAL UNIT OF AVG. AV STATE MEASURE CODE  1 · PURE 2 · MIXTURE 1 · NEW 2 · NO LONGER REPORTABLE	CODE CODE CODE SIII USE TABLE III USE TABLE	DAYS ON SITE E III 3 DIGIT NO.	USE TABLES IV & V	CLASSES USE TABLE VI	UN/NA NO. (IF KNOWN
PHYSICAL UNIT OF AVG. AV STATE MEASURE CODE  1 · PURE 2 · MIXTURE 1 · NEW 2 · NO LONGER REPORTABLE	CODE CODE CODE SIII USE TABLE III USE TABLE	DAYS ON SITE E III 3 DIGIT NO.	USE TABLES IV & V	CLASSES USE TABLE VI	UN/NA NO. (IF KNOWN
PHYSICAL UNIT OF AVG. AV STATE MEASURE CODE  1 · PURE 2 · MIXTURE  1 · NEW 2 · NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE  COMMON NAME, TRADE NAME:	CODE CODE CODE SIII USE TABLE III USE TABLE	DAYS ON SITE E III 3 DIGIT NO.	USE TABLES IV & V	CLASSES USE TABLE VI	UN/NA NO. (IF KNOWN
PHYSICAL UNIT OF AVG. AV STATE MEASURE CODE  1 · PURE 2 · MIXTURE  1 · NEW 2 · NO LONGER REPORTABLE  STORAGE LOCATIONS AT SITE	CODE CODE CODE SIII USE TABLE III USE TABLE	DAYS ON SITE E III 3 DIGIT NO.	USE TABLES IV & V	CLASSES USE TABLE VI	UN/NA NO. (IF KNOWN
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# **AVOID PENALTIES**

Department of State Police

Office of State Fire Marshal 4760 Portland Road NE Salem, OR 97305-1760 (503) 378-6835

Internet: oregon.sfm@state.or.us

Quality Service First

KOPPERS INDUSTRIES INC AMOS S KAMERER 7540 NW ST HELENS RD PORTLAND OR 97210-3663

FACILITY ID: 006202

November 16, 2000

LOCATION: 7540 NW ST HELENS RD PORTLAND OR

This is a reminder that your Hazardous Substance Information Survey is due by December 1, 2000. To **AVOID PENALTIES** be sure and mail the survey so it is postmarked no later than December 1, 2000.

Facilities that fail to submit their surveys on time are subject to a \$200 penalty. *Our office does not want to assess penalties* and for that reason we are sending this letter to those companies our records indicate have not submitted the survey.

If you have already submitted the survey, it may not have been processed at the time this notice was computer generated. To assure the survey has been received *call 503-378-6835*.

If you have lost your survey or <u>need assistance</u> in completing the survey information, *call* 503-378-6835 and request to speak to a Compliance Auditor.

Thank you for your time.

Community Right to Know Unit

NOV 1 7 2000

KOPPĖRS INDS. IftG. PORTI AND OR Chemical

# 2005

Facility ID Number

Form OREGON STATE FIRE MARSHAL Hazardous Substance Information Survey	006202
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# 2005 OREGON STATE FIRE MARSHAL

**Facility ID Number** 

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# 2005 Facility OREGON STATE FIRE MARSHAL Hazardous Substance Information Survey Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

**Facility ID Number** 006202

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Facility ID Number 006202

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Chemical Form

# 2005 OREGON STATE FIRE MARSHAL

Facility ID Number

**Hazardous Substance Information Survey** SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area. Common Name or Trade Name: SODIUM SULFITE Hazardous Ingredient: SODIUM SULFITE No Longer Reportable Avg Amt Physical Units of Max Amt Amt IN Amt OUT No Days Storage Code Hazard Class UN/NA EPA Pesticide Registration No: 112R State Measure Code On Site Use Table IV & V Table VI Code Code Code if known I 1 4 Use Table I Use Table II Use Table III Use Table III Use Table III Use Table III 6.3 EHS 3 digits [ ][ ][ ][ CAS No. if known □ PSM 20 00 7757837 11 365 1-Pure 2-Mixture LOCATION Loc Max In/Out Building Floor Area Room Quadrant Use Table III Delete I BOILER HOUSE 2 1 UPPER LEVEL DRUM Ε 11 Delete Delete

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Department of Environmental Quality

Headquarters 811 SW Sixth Avenue Portland, OR 97204-1390 (503) 229-5696 FAX (503) 229-6124 TTY (503) 229-6993

JAN 2 7 2006

January 27, 2006

LQ-HW-AR-CEG AMOS KAMERER KOPPERS INC 7540 NW SAINT HELENS ROAD PORTLAND, OR 97210-3663

Re: 2005 Hazardous Waste Annual Verification

### Dear Hazardous Waste Coordinator:

You are receiving this letter because our records indicate that your company has an active RCRA Site Identification Number. Oregon Administrative Rule 340-102-0012 requires facilities with identification numbers to update site information annually. Your facility last notified DEQ that your generator status was Conditionally Exempt Generator (CEG).

If your generator category has not changed from the CEG category for calendar year 2005 and your site information is the same, then you do not need to submit a report. This applies only for Conditionally Exempt Generators that are not remediation sites. CEGs that are generators due to remediation of environmental cleanup must continue to report every year until the cleanup is completed and the site identification number is withdrawn.

To be sure that nothing has changed, do the following:

- Determine your generator status for calendar year 2005. The attached Frequently Asked Questions provides information that will help you make this determination. You can also receive free technical assistance from the Toxics Use & Waste Reduction Assistance Program. An informational brochure has been included with this mailing.
- Review your last reported Site Identification (SI) Form and determine if you need to update any site contact information to DEQ.
- Verify that the site location listed at the end of this letter is still accurate. The RCRA Site ID Number is not transferable to other physical locations.

You can choose to verify the last reported information by submitting the SI Form annually to DEQ, although it is only required if the information about your facility has changed or you are a generator due to remediation.

If your generator category has changed in calendar year 2005 or you want to update the site contact information, please do one of the following by April 1, 2006:

• Access the on-line annual reporting system called HazWaste.Net using the information provided at the end of this letter and the attached General Instructions.



• Use hardcopy paper forms. The attached Frequently Asked Questions tells you how to obtain the paper forms.

You may also want to consider withdrawing your RCRA Site Identification Number. State and federal requirements do not require Conditionally Exempt Generators to have this number. The Frequently Asked Questions will provide information to help you determine whether you should keep your identification number.

The following information will help you login to your facility information in the HazWaste.Net reporting software. The internet address for HazWaste.Net is <a href="www.deqhazwaste.net">www.deqhazwaste.net</a>. The attached General Instructions will give you step-by-step instructions.

RCRA Site ID Number:

ORD027734359

Personal Identification Number (PIN)

5282

Facility Name:

Koppers Inc

Site Location:

7540 NW ST HELENS RD PORTLAND OR 97210

User Name for Data Administrator:

kamereras

The following information is included in this packet to help you with the reporting process:

- Frequently Asked Questions Related to Annual Verification for Conditionally Exempt Generators
- General instructions for using HazWaste.Net
- Find Solutions/Free Assistance Brochure

Thank you in advance for timely notification of changes to your facility information. If you have any questions regarding this letter, please call the Annual Report Hotline in Portland at (503) 229-6938 or toll-free within the State of Oregon at 1-800-452-4011, extension 6938. You can also e-mail your questions to <a href="mailto:hazwaste@deq.state.or.us">hazwaste@deq.state.or.us</a>. If you have questions concerning hazardous waste regulations, please call the technical assistance staff in the DEQ regional office nearest you. Telephone numbers are provided on the back page of the enclosed brochure.

Sincerely,

Nancy Dollar, Project Coordinator

Hazardous Waste Program

Land Quality Division

Nancy Dollar



# Frequently Asked Conditionally Exempt Generator (CEG) Questions

- 1. What if I want to use paper forms to report updated information?
- 2. How do I determine my generator status?
- 3. As a CEG, should I withdraw my RCRA Site ID number?
- 4. How do I withdraw my RCRA Site ID number?
- 5. What if a change of ownership occurred?
- 6. Where do I get additional help?



Land Quality Division 811 SW 6th Avenue

Portland, OR 97204 Phone: (503) 229-5913 (800) 452-4011

Fax: (503) 229-6977 www.deq.state.or.us

# 1. What if I want to use paper forms to report updated information?

- Call the Annual Report Hot Line in Portland at (503) 229-6938 or toll-free in the State of Oregon at 1-800-452-4011, extension 6938.
- Send a request by email to <a href="mailto:hazwaste@deq.state.or.us">hazwaste@deq.state.or.us</a>.
- Download the Site ID Form from HazWaste.Net. If your generator status changed to a small or large quantity generator category you will also need to file the Waste Generation & Management Waste Stream (GM) Forms. Instructions for downloading and printing are provided in the attached HazWaste.Net General Instructions (see page 4).

# 2. How do I determine my generator status?

Hazardous waste generators are regulated differently, depending on how much waste they generate or accumulate in each calendar month. For purposes of annual verification and reporting, your classification is based on the greatest status reached in any one month of the calendar year. For example, if you were a small quantity generator (SQG) for only one calendar month of the year, you must report as an SQG on the annual report. The three generator categories are:

Conditionally Exempt Generator (CEG) – in every calendar month you generate:

- 2.2 pounds or less of acute hazardous wastes, c.:
- 220 pounds or less of hazardous wastes, or
- 220 pounds or less of spill cleanup debris containing hazardous wastes, or
- never accumulated on-site more than 2,200 pounds of hazardous wastes

<u>Small Quantity Generator (SQG)</u> – in any one calendar month you generate:

- more than 220 pounds but less than 2,200 pounds of hazardous wastes, or
- more than 220 pounds but less than 2,200 pounds of spill cleanup debris containing hazardous wastes, or
- accumulated on-site more than 2,200 pounds of hazardous wastes

<u>Large Quantity Generator (LQG)</u> – in any one calendar month you generate:

- 2,200 or more pounds of hazardous waste, or
- 2,200 or more pounds of spill cleanup debris containing hazardous waste, or
- more than 2.2 pounds of acute hazardous wastes, or

- more than 220 pounds of spill cleanup debris containing an acute hazardous waste, or
- accumulated on-site more than 2.2 pounds of acute hazardous waste

# 3. As a CEG, should I withdraw my RCRA Site ID number?

As a CEG, you have the following options:

## Maintain the RCRA Site Number

- If there is any chance that your business may generate over the CEG waste limits in any one month. In some cases, a CEG may fall into the larger quantity limits requiring a site identification number during cleanout of outdated products, or while cleaning up a spill or release.
- Your hazardous waste transporter or collection facility requires a site identification number. It would be best to check because collection facilities that once required a DEQ site identification number are no longer requiring the number (e.g., Metro Recycling in Portland).
- If you fit into any of the following categories, you must maintain a RCRA Site ID number:
  - o Small or Large Quantity Hazardous Waste Generator
  - Hazardous Waste Transporter
  - Treatment, Storage, or Disposal Facility
  - Hazardous Waste Recycling Facility
  - o Marketer or Burner of Hazardous Waste Fuel
  - o Universal Waste or Used Oil Reportable Activities

## Withdraw your RCRA Site Number

- If your facility will never generate more than the CEG waste limits.
- Your hazardous waste transporter or collection facility does not require a RCRA site identification number.
- If your facility moved to a new location. If a RCRA Site ID number is needed for the new location, you must apply for a new number.
- If your facility is no longer operating.

# 4. How do I withdraw my RCRA Site ID number?

Submit a Site Identification (SI) Form to DEQ by using the on-line HazWaste.Net reporting system or by filling out the hardcopy paper form. Follow these steps on the SI Form to withdraw your number:

### Section 1. – Reason for Submittal

- Check the box "To Withdraw Site Identification Number"
- Check the box "Completion of RCRA Waste Activity"
- Provide an "Effective Date" indicating the date the site identification number was no longer needed. If you do not know the exact date, provide December 31 and the calendar year you are reporting (e.g., 12/31/05 is the calendar year DEQ is verifying at this time).

# Sections 3 through 9 – Site Location and Site Contact Information

You should be using a form that has your last reported site information pre-printed on the left side of form.

 Provide any new information in the space provided on the right hand side of the form.

# Section 10 – Hazardous Waste Activities

- In question 1, check the box for the correct generator status category (CEG, SQG, or LQG) for the calendar year you are reporting. If you had a SQG or LQG generator status you must also file the separate Generation & Management Waste Stream (GM) Forms.
- Check any other boxes in questions 2 through 10 of Section 10 if they apply to you.

# Sections 11, 12 and 13 are not applicable for annual reporting (Use for notifying DEQ of new activities)

# Section 14 – Comments

Use this section to provide additional information.

### Section 15 – Certification

Provide your signature and date in this section. The completed form can then be mailed to the address provided at the top of the SI Form. An acknowledgement letter for withdrawal of the ID number will be mailed to you after processing.

### 5. What if a change of ownership occurred?

A new owner or his/her representative must submit the Site ID (SI) Form by mail since a signature is required. You can generate a pre-populated SI Form in HazWaste.Net (see attached General Instructions for using HazWaste.Net) or call the Annual Report Hot Line to request a form. The pre-populated SI Form has the last reported site information with space to provide updated information. If the new owner does not need a RCRA Site ID number, then the previous owner should file the SI Form and withdraw the number.

## 6. Where do I get additional help?

For questions about the RCRA Site ID number or the annual verification reporting, please call the DEQ Annual Report Hot Line in Portland at (503) 229-6938 or toll free within Oregon at (800) 452-4011, extension 6938.

For questions regarding hazardous waste regulations, please call the small business technical assistance staff in the DEQ regional office nearest you:

Portland: 2020 SW Fourth Avenue, Ste 400, Portland 97201 - Phone: (503) 229-5263

Eugene: 1102 Lincoln Street, Suite 210, Eugene 97401 - Phone: (541) 686-7838

Medford: 221 Stewart Avenue, Ste 201, Medford, OR 97501 – Phone: (541) 776-6010

**Salem:** 750 Front Street, NE, Suite. 120, Salem 97310 – Phone: **(503) 378-8240** 

Bend: 2146 NE 4<sup>th</sup> Street, Ste 104, Bend, 97701 – Phone: (541) 388-6146

# **GENERAL INSTRUCTIONS**

# DEQ's Hazardous Waste Reporting System, HazWaste.net

This document provides general information for using HazWaste.net. For more detailed instructions, print the HazWaste.net Training Manual located at <a href="https://www.deqhazwaste.net">www.deqhazwaste.net</a>. The Form, Source, and Management code lists, needed for the waste generation and management (GM) form, can also be found at this internet address. For specific information about the questions asked on the reporting forms use the online help boxes (?) located next to each question.

# **Navigation Tip**

Please do not use the Back or Forward buttons to move between screens. This may result in your losing data. You can click the Forms tab on the top of the screen to select and open forms from the Reporting Forms Log screen.

# Creating a User Profile (Only for new users)

- 1. Go to the annual reporting home page at www.deghazwaste.net.
- 2. Click the HazWaste.net link located at the top of the page. This will open the Sign In screen.
- 3. Click the **Create User Profile** link that is located in the gray box to the right of the Sign In box. This will open the **PIN Validation** screen.
- 4. Type your RCRA Site Identification Number and Personal Identification Number (PIN). You can find your RCRA ID# and PIN in the enclosed cover letter.
- 5. Click the **Submit** button. This will open the **User Profile** screen.
- 6. Answer all the questions marked with a red asterisk (required fields). You choose your own user name and password. The user name is not case sensitive; the password is case sensitive.
- 7. Click the **Submit** button. You will return to the **Sign in** screen.

### Sign in to HazWaste.net (additional information provided for previous users on page 4)

- 8. Sign in to HazWaste.net at www.deqhazwaste.net using the user name and password you created.
- 9. Click **Submit**. After you sign in, sites assigned to you are displayed.
- 10. Click the RCRA Site ID Number link to begin your annual report.

### Entering your Site ID Form (Form used to collect site contacts and generator status)

11. The Reporting Forms Log screen, which shows your facility's reporting history, displays.
Scroll down to the Annual Report Form History section. Your Reporting Year 2005 box displays.

Annual Report Forr	n Histo	ry .	<b>A94</b>
Reporting Year 20	<b>動</b> る		* Fdit Delete
Sent: 12/30/2005		Effective:	Deling. Letter Sent:
Status Flags		Annual Report Data	Functions
Submitted: E-Filer: Extension Granted: Follow-up Required: Verified: Caseworker:	No No No No	Site ID Form: No <u>Create</u> <u>GM - Waste Streams Generated</u> (0) <u>WR - Waste Streams Received</u> (0) <u>OI - Off-site Facilities</u> (0)	<u>Import Files</u> <u>Export Files</u> <u>Validate Data</u> <u>Submit Data</u>
Comments:			

12. Click the **Create** link, located in the middle of this box, immediately after "**Site ID Form**:" The **Site ID Form** displays.

DEQ HazWaste net General Instructions 1/16/06

### 13. Do the following:

- Section 1 : Only use this section if you want to withdraw your Site Identification Number:
  - Select the reason for withdrawing your number.
  - · Select the Effective date.
  - Select Filing for partial year if you are filing the report for a portion of the year covering your ownership.
  - Select Clear Selection if you selected Withdraw or Revised by mistake.
- Section 2: Not applicable.
- Section 3-10: Last year's reporting information is displayed. Verify and update information.
   Answer all questions marked with a red asterisk (required fields).
   Note: In Section 6, Legal Owner, cannot not be changed electronically. See additional information on page 4 to print a pre-populated SI Form in order to mail hardcopy form.
   Note: In Section 10, Question 1, make sure your generator status matches the quantity of waste your facility generated during the 2005 reporting year.
- Section 11-13: Not applicable.
- Section 14: Enter comments to provide additional information.
- 14. Click the Save button. If no errors are identified, the Reporting Forms Log screen displays.

CEGs skip to Step 34 "Submitting your data." Small and Large Quantity Generators continue with the following steps.

# Entering your Off-site Facility Identification (OI) information (Form used to collect transporter and designated Treatment, Storage, Disposal [TSD] information)

- 15. Scroll down to the **Annual Report Form History** section. **Click** the **OI Off-site Facilities** link. The **OI Summary** screen displays.
- 16. Click the **Add** button. The **Ol Facilities** screen opens.
- 17. You can complete this form by doing one of the following:
  - In the **Site Identification Number** box, type your handler's US EPA ID number and then Click the **Find** button, or
  - In the Name box, type your handler's name and then Click the Find button. Click the RCRA Site ID link next to the facility you want to select.
  - If the system does not return information on your handler, type the US EPA identification number, name, and address information for your handler, in the appropriate boxes.
- 18. **Select** the handler type(s).
- 19. Click the **Save and Validate** button at the bottom of screen. Click the **Save** button to save data without validating.
- 20. Repeat these steps to record all off-site facilities you used during the report year.
- 21. Select the Forms tab to return to the Reporting Forms Log screen.

# Entering your Generation and Management (GM) information (Form used to collect waste stream information)

- 22. Scroll down to the **Annual Report Form History** section. Click the **GM Waste Streams Generated** link. The **GM Waste Streams** summary screen displays.
- 23. Click the Add button. The GM Form (simple version) screen displays. You can Click the Switch to Expert Version button which will allow you to enter your data by keying in the information. On the simple version screen displayed, you can add information by typing or from drop down boxes. For example, the simple version has a drop down box that includes the site identification numbers you entered on the OI form. The simple version also gives you the option to Select Waste Stream to copy waste stream information from the previous year. This is a good feature if you have the same waste streams every year and want to save some typing of waste stream descriptions. Companies with a large amount of waste streams may

- want to use the Export/Import feature to copy waste stream information. Contact the Annual Report Hotline for more information.
- 24. Provide all the information requested (A-1 through B-5).
- 25. Click the **Manage Shipments** button to record information about off-site shipments (B-6). The data entry screen for off-site shipments displays.
- 26. Provide all the information requested.
- 27. Click Save and Return button at the bottom of screen.
- 28. Click **Save and Validate** button when you are done with this waste stream. Click the **Save** button to save data without validating.
- 29. Repeat steps until you have entered all of your waste streams.
- 30. Select the **Forms** tab to return to the **Reporting Forms Log** screen.

# Validating your data

- 31. On the Reporting Forms Log screen, scroll down to the Annual Report Form History section. Click the Validate Data link on the right side of the screen. If the Validate Report Results screen is displayed with errors, click on the form links to correct the errors. Printing a copy of the error report may be helpful if you have more than a few errors.
- 32. Correct all errors identified in the report and then validate your data again.
- 33. When you get a message "No errors at this time", select the **Forms** tab to return to the **Reporting Form Log** screen.

## Submitting your data

- 34. On the **Reporting Forms Log** screen, scroll down to the **Annual Report Form History** section. Click the **Submit Data** link on the right side of the screen. The **Annual Report Submission** screen displays.
  - Note: Only the Data Administrator has access to the **Submit Data** link. Review the Frequently Asked Questions document (questions 5 and 6) for help if you do not have access.
- 35. Click the **Submit** button.
- 36. Click **OK** if you want to certify your report. The system will do a final check of your data and will display a **Processing Request** message. Once your data is checked, the system will display one of two screens:
  - Validate Report screen. Correct all errors identified in the report and then submit your data again. The Reporting Form Log screen displays if there are no errors.
  - Reporting Forms Log screen with a "Your electronic submission to DEQ was successful. Thank you."
- 37. You can log off or print a copy of your report.

# Printing a copy of your submitted report (See page 4 for printing blank forms)

- 38. To print a copy of the RCRA Waste Site Identification Form
  - On the **Reporting Forms Log** screen, in the **Site ID Form History** section, click the **Print** link next to the report you want to print. The most recent report submitted is displayed on the top row.
- 39. To print a copy of your **Generation and Management Answer Sheet** 
  - Select the Forms tab to display the Reporting Forms Log screen and then scroll down to the Annual Report Form History section.
  - Click the GM Waste Streams Generated link. The GM Waste Streams summary screen displays.
  - Click the **Print** link next to each waste stream.

If you need help using HazWaste.net, please call DEQ in Portland at (503) 229-6938 or toll-free within the State of Oregon at (800) 452-4011, extension 6938.

# Instructions for printing hardcopy forms from HazWaste.Net

# How do I print a Site ID Form from the HazWaste.net system?

The Site ID Form printed from HazWaste.net will include the information reported in the previous year. There is space to provide updated information next to the last reported information.

- New users of HazWaste.Net would start by following the General Instructions for creating a user profile (Steps 1 through 10). Repeat users would sign into HazWaste.Net following the General Instructions Steps 8 through 10.
- On the Reporting Forms Log screen, select the "Open Pre-Printed Site ID Form" link at the top of the page.
- Select File and Print.

### Where do I find the GM Form and the associated Code lists?

Go to <u>www.deqhazwaste.net</u> and scroll down towards the bottom of the screen. Open up the links to print these documents to report your waste stream information on hardcopy forms.

- Generation & Management Waste Stream (GM) Form
- Source Codes
- Form Codes
- Hazardous Waste Management Codes

# Additional information for previous users of HazWaste.Net

# What is the difference between a Data Administrator and Data Entry User?

The enclosed cover letter includes the name of the latest Data Administrator from the previous reporting year. The Data Administrator is usually the first person to set up a user profile in HazWaste.net. A Data Administrator has annual report submission rights. Unless designated as a Data Administrator, other users only have data entry roles. Data entry users cannot submit the completed report to DEQ. Once you sign in to HazWaste.net, your user name and role is displayed on the top left corner of the screen. If you need your user role changed, follow the instructions in the next question.

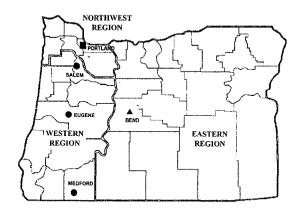
# What do I do if the user name listed on the enclosed cover letter is not the person who will submit the 2005 report to DEQ?

- Use the General Instructions to create a new user profile for the person who will submit your 2005 data. Use the PIN provided in the enclosed cover letter to access the system. This person is a data entry user until their status is changed to Data Administrator.
- Ask the 2004 Data Administrator to change the user's role. Go to the Admin tab located at the top of the Forms Log screen and click the Edit Role link to update roles; or
- Call or email the Annual Report Hotline and ask that your user role be changed to Data Administrator. In Portland call (503) 229-6938 or toll-free in Oregon at 1-800-452-4011, extension 6938. An email request can be sent to <a href="mailto:hazwaste@deq.state.or.us">hazwaste@deq.state.or.us</a>

DEQ HazWaste.net General Instructions 1/16/06

# Koppers012260

# **Contacts For FREE Assistance** from DEQ



Ask to speak with a Hazardous Waste Technical Assistance Staff Person:

**MATHWEST REGION** 

Portland - 503-229-5263

**▲ EASTERN REGION** 

Bend - 541-388-6146

WESTERN REGION

Eugene - 541-686-7838

Medford - 541-776-6010

Salem - 503-378-8240

Or

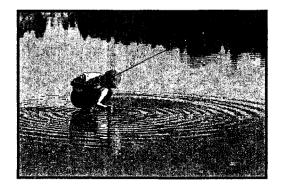
Toll-Free within Oregon: 1-800-452-4011

Visit our web site: www.deg.state.or.us/wmc/hwta.html





# **FIND SOLUTIONS**



Learn how to properly handle your:

**Solvents & Paints** Oils & Coolants Fluorescent Light Tubes Batteries of all types Mercury Thermostats & **Automobile Switches** Lab Chemicals

Other Hazardous Waste

# FREE ASSISTANCE

Save Money & Time **Cut Costly Waste** Reduce Liability



Oregon Department of Environmental Quality Toxics Use & Waste Reduction Assistance Program Land Quality Division

# Koppers01226

### Satisfied Customer:

"The relationship we have with DEQ has been very positive and sharing. We have seen cost savings by not having to purchase vast quantities of solvent for our paint operation. More environmental and economic benefits are well on the way to prove the value of our teamwork"

- Marty Nill, Guaranty Chevrolet

# WE CAN HELP YOU know

WHAT...

Regulations apply to your business.

# *HOW...*

You can most efficiently comply or become exempt.

# WHERE...

You can properly dispose of your wastes and cut disposal costs.

*WHO...* 

You can call for assistance.

Ask about our NEW Environmental Stewardship Assessment Tool

# Consultations

- Help you identify opportunities for reducing toxic chemicals and hazardous wastes, potentially lessening the regulation you are subject to, and saving you money.
- Help you determine what areas need improvement, ensuring your compliance with applicable regulations.
- Present you with practical, best management practices (BMPs) for achieving these improvements and maintaining compliance.
- Help you with Electronic Annual Reporting and Toxics Use Reduction (TUR) planning.

# **Training**

 Offer basic hazardous waste training sessions. We also provide presentations tailored to your needs.

# **Phone Assistance**

- Respond to your questions promptly with current information and rule interpretations.
- Provide fact sheets, vendor lists, material exchange information, and other publications.

### Satisfied Customer:

"The DEQ technical service staff is a wonderful resource. I would absolutely recommend that other businesses utilize the service."

- George Baily, Airport Chevrolet

### **Satisfied Customer:**

"By welcoming the DEQ HW technical assistance program as partners to help us reduce our hazardous materials use, we have completely eliminated one state permit and have become focused on reducing our generator status from SQG to CEG!."

- Jeff Shay, Rejuvenation, Inc.

# **Eco-logical Business Program**

If you are an auto-related service or repair shop, or a landscape business, and would like to be certified for your environmental stewardship as an **Eco-logical Business**, call:

Bend: 541-338-6146

**Medford:** 541-776-6010 **Portland:** 503-229-5263 **Salem:** 503-378-8240

Ask to speak with an Air Quality Small Business

Assistance Staff Person.

# Small Business Waste Collection

For household hazardous waste and some small business (Conditionally Exempt Generator) waste, call:

Metro in NW Portland/Oregon City 1-800-732-9253 or 503-234-3000

Lane County Glenwood Facility in Eugene 541-682-4120

Marion County Facility in Salem 503-588-5169

Other resources are available, contact us.

# UNITED STATES OF AMERICA PEPARTMENT OF TRANSPORTATION PIPELINE AND HAZARDOUS MATERIALS SAFETY ADMINISTRATION



Registrant: KOPPE

KOPPERS INC

Attn: JOSEPH S SEBBENS

436 SEVENTH AVENUE ROOM 1624 PITTSBURGH, PA 15219-1800

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of 49 U.S.C. 5108. It is unlawful to alter or falsify this document.

# Record Keeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with PHMSA; and
- (2) This Certificate of Registration

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U. S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, PHH-60, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, 1200 New Jersey Avenue, SE, Washington, DC 20590, telephone (202) 366-4109.

# UNITED STATES OF AMERIČA DEPARTMENT OF TRANSPORTATION RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION



# HAZARDOUS MATERIALS CERTIFICATE OF REGISTRATION FOR REGISTRATION YEAR 2004-2005

Registrant:

KOPPER INC

JOSEPH S SEBBENS

436 SEVENTH AVENUE RM 1624 PITTSBURGH, PA 15219-1800

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CRF Part 107, Subpart G.

This certificate is issued under the authority of 49 U.S. C. 5108. It is unlawful to alter or falsify this document.

Reg. No: 060804 002 007M

Issued: 06/08/04

Expires: 06/30/05

### Record Keeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with RSPA; and
- (2) This Certificate of Registration

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U. S. Department of Transportation upon request.

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For information, contact the Hazardous Materials Registration Manager, DHM-60 Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590, telephone (202) 366-4109.

# UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION



# HAZARDOUS MATERIALS CERTIFICATE OF REGISTRATION FOR REGISTRATION YEAR 2003-2004

Registrant:

KOPPERS INDUSTRIES, INC Attn: Josdeph S Sebbens 436 Seventh Ave Room 1624 Pittsburgh, PA 15219-1800

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of 49 U.S.C. 5108. It is unlawful to alter or falsify this document.

Reg. No: 052103 001 007L

Issued: 05/22/03

Expires: 06/30/04

### Record keeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with RSPA; and
- (2) This Certificate of Registration

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U. S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, DHM-60 Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590, telephone (202) 366-4109.



### INTEROFFICE CORRESPONDENCE

To:

. Hazardous Materials

From:

J.S.Sebbens

Contacts Various

Purchasing & Traffic

Location:

Location:

Pgh., PA K-1650

Subject:

Hazardous Materials Registration 1995-1996

Date:

July 6, 1995

ALL PLANT LOCATIONS DISTRIBUTION YARDS

UPARC

Attached is a copy of Koppers Industries Hazardous Materials Certificate of Registration renewal for 1995-1996. Please keep this certificate on file or display one copy prominently in your facility as may be required by an authorized representative or agent of the U.S.DOT during an inspection. A copy of the certificate or registration number should also be carried in all company commercial motor vehicles.

The registration number: 062295 007 001D was issued to Koppers Industries on a corporate basis. All supporting documentation will be maintained on file in Pittsburgh as the principal place of business.

Registration is required annually. This certificate expires 6/30/96 and will be revised as our business dictates for our annual renewal.

Please direct any inquiries regarding our registration to the undersigned at (412) 227-2848.

Attachment

B.L.Allison

L.F.Flaherty

J.E.Marcinowski

D.N.Sweet

R.K.Thomas

RECEIVED

JUL 10 1995

KOPPERS INDS., INC. PORTLAND, OR

# UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION



Registrant:

KOPPERS INDUSTRIES INC.

Attn: J S Sebbens

436 Seventh Avenue Rm. 1650 Pittsburgh, PA 15219-1800

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of Section 106(c)(1) of the Hazardous Materials Transportation Act, 49 App. U.S.C. 1801, et. seq. It is unlawful to alter or falsify this document.

Reg. No: 062295 007 001D Issued: 06/23/95 Expires: 06/30/96

### Recordkeeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with RSPA; and
- (2) This Certificate of Registration.

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U.S. Department of Transportation upon request.

Each motor carrier (private or for-hire) subject to the registration requirement must keep a copy of that carrier's current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, DHM-60 Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590, telephone (202)366-4109.

# HAZARDOUS MATERIALS TRANSPORTATION 1995

# **LOCATION**

# CONTACTS

Woodward Coke Dan Bell, Paul Walker

Woodward Tar Gary Oglesby

Follansbee Chuck Kraynik, Steve Lish

Chicago Rob Harsh, Mike Mancione,

Larry Hillard, Abe Green, Ollie Olvena

Portland Amos Kamerer, Linda Robinson

Houston Walt Geels

Monessen Bob Ross, Wendy Rager

Guthrie Albert Thomas

Montgomery James Hatch

Grenada Tom Henderson

Gainesville Penny Salisbury

Green Spring Mike Chaney

Harmarville Stacey McKinney

Roanoke Steve Bourne

Galesburg Denver Naugle

Superior Tim Ries, Steve Willis

Susquehanna Richard Miller

Denver Gene Brown, Alan von Lintell

Florence Tim Richardson

Feather River Mike Calcatera

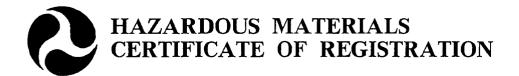
Somerville Ted Woerle

Logansport Mark Good

North Little Rock Ken Martin

KRM Paul Painter

# UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION



Registrant:

KOPPERS INDUSTRIES INC.

Attn: J S Sebbens

436 Seventh Avenue Room 2050 Pittsburgh, PA 15219-1800

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of Section 106(c)(1) of the Hazardous Materials Transportation Act, 49 App. U.S.C. 1801, et. seq. It is unlawful to alter or falsify this document.

Reg. No: 060894 022 046C Issued: 06/09/94 Expires: 06/30/95

# Recordkeeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with RSPA; and
- (2) This Certificate of Registration.

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U.S. Department of Transportation upon request.

Each motor carrier (private or for-hire) subject to the registration requirement must keep a copy of that carrier's current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

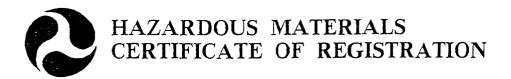
For information, contact the Hazardous Materials Registration Manager, DHM-60 Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590, telephone (202)366-4109.

# RECEIVED

JUN 2 7 1994

KOPPERS INDS., INC. PORTLAND, OR

# UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION



Registrant:

KOPPERS INDUSTRIES INC.

Attn: J S Sebbens

436 Seventh Avenue Room 2050 Pittsburgh, PA 15219-1800

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of Section 106(c)(1) of the Hazardous Materials Transportation Act, 49 App. U.S.C. 1801, et. seq. It is unlawful to alter or falsify this document.

Reg. No: 062193 003 031B Issued: 06/24/93 Expires: 06/30/94

### Recordkeeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with RSPA; and
- (2) This Certificate of Registration.

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U.S. Department of Transportation upon request

Each motor carrier (private or for-hire) subject to the registration requirement must keep a copy of that carrier's current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT ilazmat Reg. No." in each truck and truck tractor (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, DHM-60 Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590, telephone (202)366-4109.



# INTEROFFICE CORRESPONDENCE

To:

ALL PLANT LOCATIONS

DISTRIBUTION YARDS HARMARVILLE R&D

Location:

Various

Subject:

HAZARDOUS MATERIALS

REGISTRATION

From:

Jay Sebbens

Traffic & Transp.

K-2050, Pgh, PA

Location:

July 7, 1993

Date:

Attached is a copy of Koppers Industries' Hazardous Materials Certificate of Registration renewal for 1993-1994. Please keep this certificate on file or display prominently in your facility as may be required by an authorized representative or agent of the U.S. DOT during an inspection. A copy of the certificate or registration number should also be carried in all Company motor vehicles.

The registration no.: 062193 003 031B was issued to Koppers Industries on a corporate basis. All supporting documentation will be maintained on file in Pittsburgh as the principal place of business.

Registration is required annually. This Certificate expires 6/30/94 and will be revised as our business dictates for our annual renewal.

Please direct any inquiries regarding our registration to the undersigned at (412) 227-2848.

JSS:kas

### Attachment

cc: B. L. Allison

L. F. Flaherty

J. Marcinowski

R. S. Ohlis, Jr.

J. Oxford

P. A. Stadel

D. N. Sweet

P. J. Thomas

R. K. Thomas

RECEIVED

JUL 1 2 1993

KOPPERS INDS. INC. PORTLAND, OR

# PLANTS AND DISTRIBUTION YARDS

A. Anastasio & Sons Trucking	_	New Haven, CT
G. Ambrose	_	Green Spring, WV
Steve Beauchamp	_	Hazleton, PA
R. C. Blankenbeker	-	N. Little Rock, AR
Charlie Burks	_	Wurtland, KY
Carney Bros.	_	Raynham, MA
C. C. Lounsbury, Inc.	-	Willimantic, CT
Jim Cole	_	Blue Springs, MO
Wm. N. Footer Trucking	-	Merrimack, NH
M. A. Franck	_	Roanoke, VA
T. A. Golubic	_	Follansbee, WV
Bill Guynn	_	Vanderbilt, PA
c/o J. R. Heller		Superior, WI
W. L. Hasley	_	Montgomery, AL
Hatchet Transportation	_	Jonesboro, LA
N. L. Hawker	_	Gainesville, FL
J. R. Heller	-	Galesburg, IL
P. W. Heal	_	Houston, TX
Eddie Jones		Orrville, OH
A. S. Kamerer	-	Portland, OR
J. J. Lawson	_	Denver, CO
H. E. McGough, Jr.	_	Guthrie, KY
D. E. Meadows	_	Woodward Coke, Woodward, AL
C. J. Mitchell	-	Florence, SC
Monroe Contractors Equip, Inc.	_	Fishers, NY
R. J. Morris	_	Woodward Tar, Woodward, AL
W. N. Morris	_	Oroville, CA
R. P. Murphey	_	Grenada, MS
Olsen & Guerra		Houston, TX
Packer River Terminal	_	South St. Paul, MN
Power Line Supply Co.	_	Lima, OH
D. A. Shaw	_	Muncy, PA
Pat & Lin Thoits	_	Yarmouth, ME
G. E. Trent, III	-	Chicago, IL



### INTEROFFICE CORRESPONDENCE

To:

ALL PLANT LOCATIONS

DISTRIBUTION YARDS HARMARVILLE R&D

Location:

Various

HAZARDOUS MATERIALS

Subject: REGISTRATION From:

Jay Sebbens

Traffic & Transp. K-2050, Pgh, PA

Location:

July 7, 1993

Date:

Attached is a copy of Koppers Industries' Hazardous Materials Certificate of Registration renewal for 1993-1994. Please keep this certificate on file or display prominently in your facility as may be required by an authorized representative or agent of the U.S. DOT during an inspection. A copy of the certificate or registration number should also be carried in all Company motor vehicles.

The registration no.: 062193 003 031B was issued to Koppers Industries on a corporate basis. All supporting documentation will be maintained on file in Pittsburgh as the principal place of business.

Registration is required annually. This Certificate expires 6/30/94 and will be revised as our business dictates for our annual renewal.

Please direct any inquiries regarding our registration to the undersigned at (412) 227-2848.

JSS:kas

Attachment

B. L. Allison

L. F. Flaherty

J. Marcinowski

R. S. Ohlis, Jr.

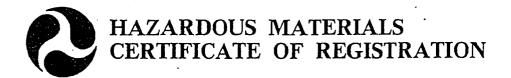
J. Oxford

P. A. Stadel

D. N. Sweet

P. J. Thomas

R. K. Thomas



Registrant:

J. S. Sebbens

Koppers Industries Inc.

436 Seventh Avenue Room 2050

Pittsburgh, PA 15219

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of Section 106(c)(1) of the Hazardous Materials Transportation Act, 49 App. U.S.C. 1801, et. seq. It is unlawful to alter or falsify this document.

Reg. No: 072492 502 036 Issued: 08/17/92 Expires: 06/30/93

#### Recordkeeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with RSPA;
- (2) A copy of the check, money order, or credit card billing statement showing payment of the registration and processing fee; and
- (3) This Certificate of Registration.

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U.S. Department of Transportation upon request.

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### PLANTS AND DISTRIBUTION YARDS

A. Anastasio & Sons Trucking G. Ambrose Steve Beauchamp R. C. Blankenbeker Charlie Burks Carney Bros. C. C. Lounsbury, Inc. Jim Cole Wm. N. Footer Trucking M. A. Franck T. A. Golubic Bill Guynn W. L. Hasley J. R. Heller N. L. Hawker P. W. Heal Eddie Jones A. S. Kamerer A. L. & M Laird Trucking, Inc. J. J. Lawson H. E. McGough, Jr. D. E. Meadows C. J. Mitchell Monroe Contractors Equip, Inc. R. J. Morris W. N. Morris R. P. Murphey Olsen & Guerra Packer River Terminal Power Line Supply Co. D. A. Shaw Pat & Lin Thoits G. E. Trent, III		New Haven, CT Green Spring, WV Hazleton, PA N. Little Rock, AR Wurtland, KY Raynham, MA Willimantic, CT Blue Springs, MO Merrimack, NH Roanoke, VA Follansbee, WV Vanderbilt, PA Galesburg, IL Superior, WI Gainesville, FL Houston, TX Orrville, OH Portland, OR Kelly, LA Denver, CO Guthrie, KY Montgomery, AL Florence, SC Fishers, NY Woodward Tar, Woodward, AL Oroville, CA Grenada, MS Houston, TX South St. Paul, MN Lima, OH Muncy, PA Yarmouth, ME Chicago, IL
S. H. Tuggle	_	Woodward Coke, Woodward, AL

### INTEROFFICE CORRESPONDENCE

To:

ALL PLANT LOCATIONS

From:

Jay Sebbens

Location:

DISTRIBUTION YARDS HARMARVILLE R&D

Location:

Traffic & Transp. K-2050, Pgh, PA

Various

Subject:

HAZARDOUS MATERIALS REGISTRATION Date:

August 25, 1992

Attached is a copy of Koppers Industries' Hazardous Materials Certificate of Registration. Please keep this certificate on file or display prominently in your facility as may be required by an authorized representative or agent of the U.S. DOT during an inspection. A copy of the certificate or registration number should also be carried in all Company motor vehicles.

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Sebbens

JSS:kas

Attachment

cc: B. L. Allison

L. F. Flaherty

J. Marcinowski

R. S. Ohlis, Jr.

J. Oxford

P. A. Stadel

D. N. Sweet

P. J. Thomas

RECEIVED

AUG 2 7 1992

KOPPERS INDS., INC. PORTLAND, OR



### PLANTS AND DISTRIBUTION YARDS

# RECEIVED

AUG 2 7 1992

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A. Anastasio & Sons Trucking G. Ambrose	_	Green SPORTS NOVOR
•	_	Useloton DA
Steve Beauchamp	_	Hazleton, PA
R. C. Blankenbeker	_	N. Little Rock, AR
Charlie Burks	-	Wurtland, KY
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Bill Guynn	_	Vanderbilt, PA
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P. W. Heal	-	Houston, TX
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A. S. Kamerer	_	Portland, OR
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H. E. McGough, Jr.	_	Guthrie, KY
D. E. Meadows	_	Montgomery, AL
C. J. Mitchell		Florence, SC
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R. J. Morris	_	Woodward Tar, Woodward, AL
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Packer River Terminal	<b>-</b> .	South St. Paul, MN
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G. E. Trent, III	_	Chicago, IL
S. H. Tuggle	_	Woodward Coke, Woodward, AL
J. II. Idggie	_	woodward coke, woodward, AL





To:

ALL PLANT LOCATIONS

Jay Sebbens

Location:

Subject:

DISTRIBUTION YARDS HARMARVILLE R&D

Location:

From:

Traffic & Transp. K-2050, Pgh, PA

Various

HAZARDOUS MATERIALS REGISTRATION Date:

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Sebbens

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J. Oxford

P. A. Stadel

D. N. Sweet

P. J. Thomas



Registrant:

J. S. Sebbens

Koppers Industries Inc.

436 Seventh Avenue Room 2050

Pittsburgh, PA 15219

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of Section 106(c)(1) of the Hazardous Materials Transportation Act, 49 App. U.S.C. 1801, et. seq. It is unlawful to alter or falsify this document.

Reg. No: 072492 502 036 Issued: 08/17/92 Expires: 06/30/93

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Registrant:

KOPPERS INDUSTRIES INC.

Attn: J S Sebbens

436 Seventh Ave. Room 1650 Pittsburg, PA 15219-1800

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Reg. No: 060297 010 023F Issued: 06/04/97 Expires: 06/30/98

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from 1996

# UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION



Registrant:

KOPPERS INDUSTRIES INC.

Attn: J.S. Sebbens

436 Seventh Avenue Rm. 1650 Pittsburgh, PA 15219-1800

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of Section 106(c)(1) of the Hazardous Materials Transportation Act, 49 App. U.S.C. 1801, et. seq. It is unlawful to alter or falsify this document.

Reg. No: 050996 006 034E Issued: 05/10/96 Expires: 06/30/97

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OREGON DEPT OF AGRICULTURE 635 Capitol St. NE Salem. OR 97310-0110



### LICENSE RENEWAL APPLICATION

### RECEIVED

JUN - 2 1997

KOPPERS INDS., INC. PORTLAND, OR

CURRENT LICENSE EXPIRES: 06/30/1997
Mail/Firm Number: 009865 009865
Phone number: 503/286-3681

FAX number:

Phone number: 503/286-3681 FAX number:

Business Location Address: KOPPERS INDUSTRIES INC 7540 NW ST HELENS RD PORTLAND OR 97210

KOPPERS INDUSTRIES INC 7540 NW ST HELENS RD PORTLAND OR 97210

PLEASE COMPLETE THIS SECTION AND SIGN A	AT BOTTOM OF PAGE.	
Fill in gross sales or purchases where indicated. Make of commercial scales and meters. Check box if license Incomplete Forms will delay processing your renewal and completion. Payments processed after August 30 will be A SEPARATE FEE IS REQUIRED FOR EACH	is no longer required. d will be returned for e charged a late fee.	
Lic Code Qty Description of License	Check If Licens Not Required Fee	
075327-24 1 Scale License Type C (See Schedule B)	[] \$ 60.0	00 986-4670
TOTAL FEE SL	JBMITTED \$	
Calculate the fee amounts owed in the prior section  LICENSE FEE SCHEDULES Schedule B - Measurement Standards Division: 986-4670 - Weighing/Measuring Devices Type C SCALES 1161 pounds - 7500 pounds Capacity	· .	·low.
Make checks payable to Oregon Departmen YOU MUST RETURN THIS APPLICATION TO RENEW OR PAYMENT DUE BY JUNE 30	DELETE YOUR LICENSE(S).	
Prepared By:	Date: / /	

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### OREGON DEQ AIR PERMIT COMPLAINT LOG

DATE AND TIME OF THE OBSERVED NUISANCE:

SATURDAY, 12/18/99, 3:30 PM Brad Hannood, Ut. lit, man, took the CAll; he called T. J. Tunner, German) forman, who called Amos Kameren, Mand Manager

NAME, LOCATION AND TELEPHONE OF THE CALLER:

Technician, Macken Siltamic logo Thomas Bently, Environmental P.O.Box 83180, Postland, OR. 97283-0180

# 219-7302

Said that he had called a couple of times before BRAD AUSWININED.

DESCRIPTION OF THE NUISANCE CONDITION:

Employee complaints of odoes at their water treatment plant, Recling NAUSEOUS AND III. He said that the funes were As I gave him my home # And Cell # And said that I would come

down to the plan to check thing's out.

I Asked him to CALL his bass At home, Tom McCue, Environmental Manager, to give him these Numbers, should for want to talk to me.

STATUS OF THE PLANT OPERATIONS AT THE TIME OF THE OBSERVED NUISANCE -(INCLUDE WEATHER AND WIND DIRECTION INFORMATION):

The plant was IN A week-end "control" mode of operations, while are maintained heat to our systems, in preparation of the receipt of our IST vessel of liquid pitch. The Air was heavy, Almost stagmant, but there was a sligh breeze to the SE, towards Waster. I found that with the Addition of the New potch storage TANK (T-200) to our filme Recovery system that the temperatures of the wash oil had Risen to 296°F, which had resulted in the increased emissions. We immediately shut this system down, to stop the emissions. Since, then we have been shutting the system off DEQAIRCOMPLOG Plus, our Engineering Post is expediting the purchase of a cooler systms

forthis equipment.

. A.S. Kameuen

### OREGON DEQ AIR PERMIT COMPLAINT LOG

DATE AND TIME OF THE OBSERVED NUISANCE CONDITION: 8/5/99 - Thursday 12:15 pm

NAME, LOCATION AND TELEPHONE OF THE RECEPTOR:

SUSAN Mulholland, MACKER SILTAONIC CORP.

P.O. BOX 83180, PORTLAND 97283-0180
# 219-7134

DESCRIPTION OF THE NUISANCE CONDITION:

Employee's IN the 'FAb#1' from complained of 'Creosote like' odors. The Room was evacuated and they tristed for 'O-cresols', with Negative Results. No one got sick on weent home.

The plant was in Normal operations, loading liquid

Petch Tank cans and getting ready to scloud the meltine.

Other:

I polyised Sisan that we no longer inventory are use

Creosote in the plant and have not since to he may 1999.

She will report this to their employee's At the next

SAFety meeting.

\*\* PNO UNION ded A CARE OF their recycled fiel the day prior.

DEQAIRCOMPLOG

A.S. KAmenen



Department of Environmental Quality

Northwest Region Portland Office Air Quality Program

Air Quality Program 2020 SW 4<sup>th</sup> Avenue, Suite 400 Portland, OR 97201-4987 (503) 229-5554 FAX (503) 229-6945 TTY (503) 229-5471

January 2, 2008

Koppers, Inc. Attn: Sandra Schmittle 436 Seventh Avenue Pittsburgh, PA 15219

Re: Issuance of Air Contaminant Discharge Permit

Permit: # 26-2930

The Department of Environmental Quality has completed processing your application to renew your Simple Air Contaminant Discharge permit. Based on the material contained in the application, we have issued the enclosed permit.

The effective date of the permit is the date the permit was signed by the regional Air Quality Manager.

The signature and date appear on the first page of each of the documents. The permit is issued pursuant to Oregon Revised Statutes 468A and Oregon Administrative Rules (OAR) 340-14-005 through 340-14-050, and 216-0010 through 216-0100.

You may appeal conditions or limitations contained in the attached permit by applying to the Environmental Quality Commission, or its authorized representative, within twenty days from the date of this letter. Appeals are pursuant to ORS Chapter 183 and OAR Chapter 340, Division 14-025(6). Appeal procedures are contained in OAR Division 11-005 through 11-140.

A copy of the current permit must be available at the facility at all times. Failure to comply with permit conditions may result in civil penalties. You are expected to read the permits carefully and comply with all conditions to protect the environment of Oregon.

All forms necessary to comply with the provisions set forth in this permit can be found on line at <a href="http://www.deq.state.or.us/aq/aqpermits">http://www.deq.state.or.us/aq/aqpermits</a> home.htm. Oregon Administrative Rules (OARs)can be found on site at <a href="http://www.deq.state.or.us/aq/rules/index.htm">http://www.deq.state.or.us/aq/rules/index.htm</a>.

If you have any questions, please contact Kathy Amidon at (503) 667-8414, extension 55010

Corv Wind

Air Quality Manager

Northwest Region

EJD:cab

CC: Koppers, Inc., Attn: T.J. Turner, 7540 NW St. Helens Road, Portland, OR 97210

Page 1 of 12

## SIMPLE AIR CONTAMINANT DISCHARGE PERMIT

Department of Environmental Quality
Northwest Region
2020 SW 4th Avenue, #400
Portland, Oregon 97201
(503) 229-5554

This permit is being issued in accordance with the provisions of ORS 468A.040 and based on the land use compatibility findings included in the permit record.

ISSUED TO: INFORMATION RELIED UPON:

Koppers, Inc. Application No.: 022207 436 Seventh Avenue Date Received: 5/3/07

Pittsburgh, PA 15219-1800

PLANT SITE LOCATION: LAND USE COMPATIBILITY FINDING:

7540 NW St. Helens Road Approving Authority: City of Portland Portland, OR 97210 Approval Date: 9/15/97

### ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

Ed Druback, Northwest Region Air Quality Manager

Dated

1/2/08

Source(s) Permitted to Discharge Air Contaminants (OAR 340-216-0020):

Table 1 Code	Source Description	SIC/NAICS
Part B, 75	Source not otherwise listed that would emit 10 or more	2865
	tons/year if uncontrolled (coal tar pitch processing)	325192

Permit Number: 26-2930-SI-01

Expiration Date: 11/1/2012 Page 2 of 12

### **TABLE OF CONTENTS**

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Page 3 of 12

### 1.0 GENERAL EMISSION STANDARDS AND LIMITS

### 1.1. Visible Emissions

The permittee must comply with the following visible emission limits, as applicable:

- a. Emissions from any fuel burning equipment must not equal or exceed 20% opacity for a period aggregating more than 3 minutes in any one hour.
- b. Emissions from any air contaminant source other than fuel burning equipment must not equal or exceed 20% opacity for a period aggregating more than 30 seconds in any one hour.

## 1.2. Particulate Matter Emissions

The permittee must comply with the following particulate matter emission limits, as applicable:

- a. Particulate matter emissions from any boilers installed on or before June 1, 1970 must not exceed 0.2 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air.
- b. Particulate matter emissions from boilers installed, constructed, or modified after June 1, 1970 must not exceed 0.1 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air.
- c. Particulate matter emissions from any air contaminant source installed on or before June 1, 1970 other than fuel burning equipment and fugitive emission sources must not exceed 0.2 grains per standard cubic foot.
- d. Particulate matter emissions from any air contaminant source installed, constructed, or modified after June 1,
   1970 other than boilers and fugitive emission sources must not exceed 0.1 grains per standard cubic foot.

### 1.3. Fugitive Emissions

The permittee must take reasonable precautions to prevent fugitive dust emissions by:.

- a. Treating vehicular traffic areas of the plant site under the control of the permittee.
- b. Operating all air contaminant-generating processes so that fugitive type dust associated with the operation will be adequately controlled at all times.
- c. Storing collected materials from air pollution control equipment in a covered container or other method equally effective in preventing the material from becoming airborne during storage and transfer.

Page 4 of 12

1.4. Particulate Matter Fallout

The permittee must not cause or permit the emission of any particulate matter larger than 250 microns in size at sufficient duration or quantity, as to create an observable deposition upon the real property of another person. The Department will verify that the deposition exists and will notify the permittee that the deposition must be controlled.

1.5. Nuisance and Odors

The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by Department personnel.

1.6. Fuels and Fuel Sulfur Content

The permittee must not use any fuel other than natural gas, propane, butane, ASTM grade fuel oils, or on-specification used oil.

- a. Fuel oils must not contain more than:
  - i. 0.3% sulfur by weight for ASTM Grade 1 distillate oil;
  - ii. 0.5% sulfur by weight for ASTM Grade 2 distillate oil;

### 2.0 NEW SOURCE PERFORMANCE STANDARDS

2.1. Applicability - Hot Oil Heater

The facility's North American hot oil heater installed in 1999 is an affected facility under 40 CFR 60, Subpart Dc because it combusts fuel to heat a "heat transfer medium".

2.2. Fuel Monitoring

The permittee must record and maintain records of the amounts of each fuel combusted in the hot oil heater during each calendar month. These records must be retained on site for a period of at least two years.

### 3.0 OPERATION AND MAINTENANCE REQUIREMENTS

3.1. Fume Recovery System

The permittee is required to operate the fume recovery system during all times of product movement in the pitch/oil transfer system.

3.2. Boiler Tune-up

The permittee must conduct a maintenance service on the boiler at least once every two years. At a minimum, the service must include an inspection of the burners and refractory chamber, cleaning, adjustment, and repair as necessary. Records of the service must be maintained on site for a period of two years.

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### 4.0 PLANT SITE EMISSION LIMITS

4.1. Plant Site
Emission Limits
(PSEL)

Plant site emissions must not exceed the following:

Pollutant	Limit	Units
SO <sub>2</sub>	39	tons per year
$NO_X$	39	tons per year
CO	99	tons per year
VOC	39	tons per year

4.2. Annual Period

The annual plant site emissions limits apply to any 12-consecutive calendar month period.

### 5.0 COMPLIANCE DEMONSTRATION

5.1. PSEL Compliance Monitoring

Compliance with the PSEL is determined for each 12-consecutive calendar month period based on the following calculation for each pollutant:

E =  $\Sigma(EF \times P)/2000 \text{ lbs}$ 

where,

E = pollutant emissions (ton/yr);

EF = pollutant emission factor (Condition 11.0);

P = process production data:

Oil combusted

Natural gas combusted

Hours of operation, fume recovery system

5.2. Emission Factors

The permittee must use the default emission factors provided in Condition 11.0 for calculating pollutant emissions, unless alternative emission factors are approved by the Department.

### 6.0 RECORDKEEPING REQUIREMENTS

6.1. Operation and Maintenance

The permittee must maintain the following records related to the operation and maintenance of the plant and associated air contaminant control devices, monthly unless otherwise stated:

Page 6 of 12

- a. Throughput of coal tar pitch;
- b. Throughput of heavy oil;
- c. Boiler operating time, in hours;
- d. Total hot oil heater operating time, in hours;
- e. Natural gas combusted in the hot oil heater, in MMCF;
- f. Natural gas combusted in the plant, in MMCF;
- g. Distillate oil combusted, in 1,000 gallons;
- h. Hours of operation of the fume recovery system
- i. Monthly calculation of emissions, per Condition 5.1.

### 6.2. Excess Emissions

The permittee must maintain records of excess emissions as defined in OAR 340-214-0300 through 340-214-0340 (recorded on occurrence). Typically, excess emissions are caused by process upsets, startups, shutdowns, or scheduled maintenance. In many cases, excess emissions are evident when visible emissions are greater than 20% opacity for 3 minutes or more in any 60-minute period. If there is an ongoing excess emission caused by an upset or breakdown, the permittee must cease operation of the equipment or facility no later than 48 hours after the beginning of the excess emissions, unless continued operation is approved by the Department in accordance with OAR 340-214-0330(4).

### 6.3. Complaint Log

The permittee must maintain a log of all written complaints and complaints received via telephone that specifically refer to air pollution concerns associated to the permitted facility. The log must include a record of the permittee's actions to investigate the validity of each complaint and a record of actions taken for complaint resolution.

## 6.4. Retention of Records

Unless otherwise specified, all records must be maintained on site for a period of two (2) years and made available to the Department upon request.

### 7.0 REPORTING REQUIREMENTS

### 7.1. Excess Emissions

The permittee must notify DEQ of excess emissions events if the excess emission is of a nature that could endanger public health.

a. Such notice must be provided as soon as possible, but never more than one hour after becoming aware of the problem. Notice must be made to the regional office identified in Condition 8.4 by e-mail, telephone, facsimile, or in person.

Page 7 of 12

b. If the excess emissions occur during non-business hours, the permittee must notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.

c. The permittee must also submit follow-up reports when required by the Department.

### 7.2. Annual Report

For each year this permit is in effect, the permittee must submit to the Department by **February 15** two (2) copies of the following information for the previous calendar year:

- a. Operating parameters:
  - i. Annual throughput of coal tar pitch;
  - ii. Annual throughput of heavy oil;
  - iii. Boiler operating time;
  - iv. Total hot oil heater operating time;
  - v. Highest sulfur content of oil combusted;
  - vi. Types and quantities of fuels combusted (1,000 gallons and MMCF);
  - vii. Annual hours of operation of the fume recovery system;
- b. A summary of annual pollutant emissions determined each month in accordance with Condition 5.1.
- c. Records of all planned and unplanned excess emissions events.
- d. Summary of complaints relating to air quality received by permittee during the year.
- e. List permanent changes made in plant process, production levels, and pollution control equipment which affected air contaminant emissions.
- f. List major maintenance performed on pollution control equipment.

# 7.3. Notice of Change of Ownership or Company Name

The permittee must notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:

- a. Legal change of the name of the company as registered with the Corporations Division of the State of Oregon; or
- b. Sale or exchange of the activity or facility.

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## 7.4. Construction or Modification Notices

The permittee must notify the Department in writing using a Departmental "Notice of Construction Form," or "Permit Application Form," and obtain approval in accordance with OAR 340-210-0205 through 340-210-0250 before:

- a. Constructing, installing, or establishing a new stationary source that will cause an increase in any regulated pollutant emissions;
- b. Making any physical change or change in operation of an existing stationary source that will cause an increase, on an hourly basis at full production, in any regulated pollutant emissions; or
- c. Constructing or modifying any air pollution control equipment.

### 7.5. Where to Send Reports and Notices

The reports, with the permit number prominently displayed, must be sent to the Permit Coordinator for the region where the source is located as identified in Condition 8.3.

### 8.0 ADMINISTRATIVE REQUIREMENTS

## 8.1. Permit Renewal Application

The completed application package for renewal of this permit is due on 9/1/2012. Two (2) copies of the application must be submitted to the DEQ Permit Coordinator listed in condition 8.3

## 8.2. Permit Modifications

Application for a modification of this permit must be submitted not less than 60 days prior to the source modification. A special activity fee must be submitted with an application for the permit modification. The fees and two (2) copies of the application must be submitted to the Business Office of the Department.

## 8.3. Permit Coordinator Addresses

All reports, notices, and applications should be directed to the Permit Coordinator for DEQ's Northwest Region:

Department of Environmental Quality Northwest Region 2020 SW 4th Avenue, Suite 400 Portland, OR 97201-4987 Telephone: (503) 229-5582

## 8.4. Department Contacts

Information about air quality permits and the Department's regulations may be obtained from the DEQ web page at <a href="https://www.deq.state.or.us">www.deq.state.or.us</a>. All inquiries about this permit should be directed to DEQ's Northwest Region Office:

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Department of Environmental Quality East Side Office, Air Quality Section 1550 NW Eastman Parkway, Suite 290 Gresham, OR 97030 Telephone: (503) 667-8414

### 9.0 **FEES**

9.1.	Annual Compliance Fee	The Annual Fee specified in OAR 340-216-0020, Table 2, Part 2 for a Simple ACDP is due on <b>December 1</b> of each year this permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date.
9.2.	Change of Ownership or Company Name Fee	The non-technical permit modification fee specified in OAR 340-216-0020, Table 2, Part 3(a) is due with an application for changing the ownership or the name of the company.
9.3.	Special Activity Fees	The special activity fees specified in OAR 340-216-0020, Table 2, Part 3 (b through i) are due with an application to modify the permit.
9.4.	Where to Submit Fees	Fees must be submitted to:  Department of Environmental Quality Business Office 811 SW Sixth Avenue

Portland, Oregon 97204-1390

### 10.0 GENERAL CONDITIONS AND DISCLAIMERS

10.1.	Permitted Activities	This permit allows the permittee to discharge air contaminants from processes and activities related to the air contaminant source(s) listed on the first page of this permit until this permit expires, is modified, or is revoked.
10.2.	Other Regulations	In addition to the specific requirements listed in this permit, the permittee must comply with all other legal requirements enforceable by the Department.
10.3.	Conflicting Conditions	In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.

Permit Number: 26-2930-SI-01 Expiration Date: 11/1/2012 Page 10 of 12

10.4.	Masking of Emissions	The permittee must not cause or permit the installation of any device or use any means designed to mask the emissions of an air contaminant that causes or is likely to cause detriment to health, safety, or welfare of any person or otherwise violate any other regulation or requirement.
10.5.	Department Access	The permittee must allow the Department's representatives access to the plant site and pertinent records at all reasonable times for the purposes of performing inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emissions discharge records and conducting all necessary functions related to this permit in accordance with ORS 468-095.
10.6.	Permit Availability	The permittee must have a copy of the permit available at the facility at all times.
10.7.	Open Burning	The permittee may not conduct any open burning except as allowed by OAR 340 Division 264.
10.8.	Asbestos	The permittee must comply with the asbestos abatement requirements in OAR 340, Division 248 for all activities involving asbestos-containing materials, including, but not limit to, demolition, renovation, repair, construction, and maintenance.
10.9.	Property Rights	The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
10.10.	Termination, Revocation, or Modification	The Department may modify or revoke this permit pursuant to OAR 340-216-0082 and 340-216-0084.

Permit Number: 26-2930-SI-01 Expiration Date: 11/1/2012 Page 11 of 12

### 11.0 EMISSION FACTORS

Emissions device or activity	Pollutant	Emission Factor (EF)	EF units	EF reference
Oil Combustion	SO <sub>2</sub>	71.0	Lb/1,000 gallons	
	NO <sub>X</sub>	20.0	Lb/1,000 gallons	DEQ Factors
	СО	5.0	Lb/1,000 gallons	
	VOC	0.2	Lb/1,000 gallons	
Natural Gas Combustion	SO <sub>2</sub>	2.6	Lb/MMCF	
	$NO_X$	100.0	Lb/MMCF	DEQ Factors
	СО	84.0	Lb/MMCF	
	VOC	2.8	Lb/MMCF	
Fume Recovery System	VOC	1.37	Lb/hour	Calculated by Chemcad

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### 12.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS

ACDP Air Contaminant Discharge		NSR	New Source Review	
	Permit	$O_2$	oxygen	
ASTM	American Society for Testing and Materials	OAR	Oregon Administrative Rules	
AQMA	Air Quality Maintenance Area	ORS	Oregon Revised Statutes	
calendar	The 12-month period	O&M	operation and maintenance	
year	beginning January 1st and	Pb	lead	
	ending December 31st	PCD	pollution control device	
CFR	Code of Federal Regulations	PM	particulate matter	
CO	carbon monoxide	$PM_{10}$	particulate matter less than 10	
DEQ	Oregon Department of		microns in size	
•	Environmental Quality	ppm	part per million	
dscf ·	dry standard cubic foot	PSD	Prevention of Significant	
EPA	US Environmental Protection		Deterioration	
	Agency	PSEL	Plant Site Emission Limit	
FCAA	Federal Clean Air Act	PTE	Potential to Emit	
gal	gallon(s)	RACT	Reasonably Available Control	
gr/dscf	grains per dry standard cubic foot		Technology	
TT 4 TS		scf	standard cubic foot	
HAP	Hazardous Air Pollutant as defined by OAR 340-244-	SER	Significant Emission Rate	
	0040	SIC	Standard Industrial Code	
I&M	inspection and maintenance	SIP	State Implementation Plan	
lb	pound(s)	SO <sub>2</sub>	sulfur dioxide	
MMBtu	million British thermal units	Special	as defined in OAR 340-204-	
NA	not applicable	Control Area	0070	
NESHAP	National Emissions Standards	VE	visible emissions	
NO	for Hazardous Air Pollutants	VOC	volatile organic compound	
NO <sub>X</sub>	nitrogen oxides	year	A period consisting of any 12-	
NSPS	New Source Performance Standard		consecutive calendar months	

Review Report/Permit No.: 26-2930-SI-01

Application number: 22207

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# Department of Environmental Quality Northwest Region Air Quality Program

# Simple AIR CONTAMINANT DISCHARGE PERMIT REVIEW REPORT

Koppers, Inc. 7540 NW St. Helens Road Portland, OR 97210 (503) 286-3681

Unassigned emissions	
Emission credits	
Source test	
COMS	·
CEMS	
Compliance schedule	
Special conditions	
Annual report	X
Semi-annual report	
Quarterly report	

Monthly report	
Excess emissions report	
NSPS	X
NESHAP	
NSR	
PSD	
RACT	
FCE	
Public Notice	II

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MAJOR SOURCE APPLICABILITY	4
ADDITIONAL REQUIREMENTS	4
PUBLIC NOTICE	

Permit No.: 26-2930-SI-01

Application No.: 22207 Page 2 of 5

### PERMITTING

### PERMITTING ACTION

1. The permit is a renewal for an existing Air Contaminant Discharge Permit (ACDP) which was issued on 11/27/02 and was originally scheduled to expire on 9/1/07. Addendum 1, issued 5/2/03, changed the corporate name from Koppers Industries, Inc. to Koppers, Inc.

### OTHER PERMITS

2. Other permits issued or required by the Department of Environmental Quality for this source include NPDES 10164 for the control of storm water.

### ATTAINMENT STATUS

3. The source is located in a maintenance area for CO and Ozone.  $NO_X$  and VOC are precursors to Ozone. The facility is an insignificant source of CO,  $NO_X$  and VOC. The area is in attainment for all other criteria pollutants.

### **SOURCE DESCRIPTION**

### **OVERVIEW**

- 4. Koppers, Inc. receives, stores, and transfers coal tar pitch used in the primary aluminum production industry and residual oil. Hot oil heaters warm the coal tar pitch prior to load-out to trucks. Fumes from storage transfer and processing are collected and routed to a fume control system.
- 5. No changes have been made to the facility since the last permit renewal.

### PROCESS AND CONTROL DEVICES

- 6. Existing air contaminant sources at the facility consist of the following:
  - a. One N. American boiler, fired on natural gas or distillate oil, 21 MM Btu/hr, 1965
  - b. Two N. American hot oil heaters, fired on natural gas or distillate oil, 8 MM Btu/hr, 1990 and 10 MM Btu/hr, 1999
  - c. Pitch/oil transfer system, 150,000 tons/yr, 1965; modified 1999
  - d. Fume recovery system with scrubber, 1987
  - e. Storage tank T-200 and a fume combustion system, 2.1 million gallons, 1999
  - f. Six storage tanks, 45,000 gallons to 248,000 gallons, built 1927 1952

Page 3 of 5

### COMPLIANCE

- 7. The facility was inspected on 2/28/06 and found to be in compliance with permit conditions.
- 8. During the prior permit period there were no complaints recorded for this facility.
- 9. No enforcement actions have been taken against this source since the last permit renewal.

### **EMISSIONS**

10. Proposed PSEL information:

		Netting Basis		Plant Site Emission Limits (PSEL)		
Pollutant	Baseline Emission Rate (tons/yr)	Previous (tons/yr)	Proposed (tons/yr)	Previous PSEL (tons/yr)	Proposed PSEL (tons/yr)	PSEL Increase (tons/yr)
SO <sub>2</sub>	0	0	0	39	39	0
NO <sub>x</sub>	0	0	0	39	39	0
CO	0	.0	0	99	99	0
VOC	0	0	0	39	39	0

- a. The proposed PSELs for all pollutants are equal to the Generic PSEL in accordance with OAR 340-216-0064(4)(b) and the netting basis is zero in accordance with OAR 340-222-0040(2).
- b. PM/PM<sub>10</sub> are considered negligible and are not included in the PSEL.
- c. Fuel usage is estimated at 184 MMCF of natural gas and 100,000 gallons of diesel oil.
- d. The PSEL is a federally enforceable limit on the potential to emit.

### SIGNIFICANT EMISSION RATE ANALYSIS

11. For each pollutant, the proposed Plant Site Emission Limit is less than the Netting Basis plus the significant emission rate, thus no further air quality analysis is required.

Permit No.: 26-2930-SI-01

Application No.: 22207

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### MAJOR SOURCE APPLICABILITY

### CRITERIA POLLUTANTS

12. A major source is a facility that has the potential to emit 100 or more tons per year of any criteria pollutant. This facility is not a major source of criteria pollutant emissions. PTE for this facility is: 21 tons SO<sub>2</sub>; 23 tons NO<sub>X</sub>; 6 tons CO; and 19 tons VOC.

### **HAZARDOUS AIR POLLUTANTS**

13. A major source is a facility that has the potential to emit 10 or more tons/year of any single HAP, or 25 or more tons/year of combined HAPs. This facility is not a major source of hazardous air pollutants.

Hazardous Air Pollutant	Potential to Emit (tons/year)
Napthalene	2.00
Quinoline	0.13
Biphenyl	0.16
Dibenzofuran	1.0
Total	3.0

### **ADDITIONAL REQUIREMENTS**

### NSPS APPLICABILITY

14. 40 CFR 60 Dc, Small Steam Generating Units, is applicable to the hot oil heater installed in 1999. 40 CFR 60.41c defines a steam generating unit as "a device that combusts any fuel and produces steam or heats water or any other heat transfer medium." The hot oil heater has a heat input value of 10 MM Btu/hour and is thus subject to the NSPS.

The permittee has removed from the hot oil heater the ability to combust oil; only natural gas will be used. See the letter dated 10/10/07 in the file. The only applicable requirement is to keep records of fuels used in the heater. No reporting requirement applies. Fuel usage records will be kept on site for review.

### NESHAPS/MACT APPLICABILITY

15. There are no sources at this facility for which NESHAPS/MACT standards have been promulgated.

Page 5 of 5

### RACT APPLICABILITY

16. The facility is located in the Portland AQMA, but it is not one of the listed source categories in OAR 340-232-0010, thus the categorical RACT rules do not apply. The facility does not have the potential to emit 100 tons of any criteria pollutant, thus source specific RACT does not apply.

### TACT APPLICABILITY

17. The source is meeting the states TACT/Highest and Best Rules by using water in the fume recovery system instead of oil and using the recovery system only as needed. A thermal oxidizer will be installed when production levels reach 5,000 tons per month for three consecutive months (NC 18175, 6/2000)

### **PUBLIC NOTICE**

- 18. Pursuant to OAR 340-216-0064(5)(a), issuance of Simple Air Contaminant Discharge Permits require public notice in accordance with OAR 340-209-0030(3)(b), which requires that the Department provide notice of the proposed permit action and a minimum of 30 days for interested persons to submit written comments. The public notice was mailed on 11/21/07 and the comment period ended on 12/21/07. One member of the public submitted comments.
- 19. The commenter noted that hours of operation of the fume recovery system were used in the PSEL compliance calculation but were not included in the monitoring section. This was corrected. The commenter suggested that the fume recovery system should operate whenever there was an opportunity for fume emissions. A requirement to operate the recovery system whenever product is being moved was added. The commenter also suggested a source test to verify the emission factor used to calculate VOC from the fume recovery system. The permittee uses ChemCad software to calculate a monthly emission factor for the equipment. This is considered to be more reliable than a source test, which captures data for only one point in time.

ka:gg 1/17/2008

Review Report/Permit No.: 26-2930-SI-01

Application number: 22207

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Department of Environmental Quality
Northwest Region
Air Quality Program

# Simple AIR CONTAMINANT DISCHARGE PERMIT REVIEW REPORT

Koppers, Inc. 7540 NW St. Helens Road Portland, OR 97210 (503) 286-3681

Unassigned emissions	
Emission credits	
Source test	
COMS	
CEMS	
Compliance schedule	
Special conditions	
Annual report	. X
Semi-annual report	
Quarterly report	

Monthly report	
Excess emissions report	
NSPS	X
NESHAP	
NSR	
PSD	
RACT	
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3. The source is located in a maintenance area for CO and Ozone.  $NO_X$  and VOC are precursors to Ozone. The facility is an insignificant source of CO,  $NO_X$  and VOC. The area is in attainment for all other criteria pollutants.

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SO <sub>2</sub>	0	0	0	39	39	0
NO <sub>x</sub>	0	0	0	39	39	0
СО	0	0	0	99	99	0
VOC	0	0	0	39	39	0

- a. The proposed PSELs for all pollutants are equal to the Generic PSEL in accordance with OAR 340-216-0064(4)(b) and the netting basis is zero in accordance with OAR 340-222-0040(2).
- b. PM/PM<sub>10</sub> are considered negligible and are not included in the PSEL.
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The permittee has removed from the hot oil heater the ability to combust oil; only natural gas will be used. See the letter dated 10/10/07 in the file. The only applicable requirement is to keep records of fuels used in the heater. No reporting requirement applies. Fuel usage records will be kept on site for review.

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### **PUBLIC NOTICE**

18. Pursuant to OAR 340-216-0064(5)(a), issuance of Simple Air Contaminant Discharge Permits require public notice in accordance with OAR 340-209-0030(3)(b), which requires that the Department provide notice of the proposed permit action and a minimum of 30 days for interested persons to submit written comments. The public notice was made available for public comment from November 21, 2007 until December 21, 2007, 5pm..

ka:gg 11/20/2007



**Department of Environmental Quality** 

Northwest Region Portland Office
Air Quality Program
2020 SW 4<sup>th</sup> Avenue, Suite 400
Portland, OR 97201-4987
(503) 229-5554
FAX (503) 229-6945
TTY (503) 229-5471

November 20, 2007

Koppers, Inc. Attn: T. J. Turner 7540 NW St. Helens Rd. Portland, OR 97210

Re: Public Notice For

Air Contaminant Discharge Permit # 26-2930

Your application for a renewal of your Air Contaminant Discharge Permit has been reviewed by the Department of Environmental Quality and a proposed permit has been drafted.

A public notice period for the purpose of receiving comments from the public will start November 21, 2007 and will end December 21, 2007, 5pm. You are invited to review the attached copy of the proposed permit and submit any comments you may have prior to the end of the notice period. The public notice is distributed to interested individuals and the media.

All comments received will be evaluated by the Department and action on the proposed permit will be taken in the near future.

Sincerely,

Catherine Blaine

Northwest Region Permit Coordinator

CC: Sandra Schmittle, Koppers, Inc., 436 7th Avenue, Pittsburgh, PA, 15219

### Request for Comments

# Proposed Renewal of Air Quality Permit for Koppers, Inc.

The purpose of this notice is to invite you to provide written comments on this proposed air quality permit.

#### DEQ's Role:

The Oregon Department of Environmental Quality (DEQ) is responsible for protecting and enhancing Oregon's water and air quality, for cleaning up spills and releases of hazardous materials, and for managing the proper disposal of hazardous and solid wastes. One way DEQ does this is by requiring permits for certain activities. DEQ issues permits to regulate the type and amount of air emissions at a regulated facility. Under Oregon law, DEQ has no authority over land use issues and cannot affect the siting of any facility.

#### Comments due:

Written comments due: 5 p.m., December 21, 2007

#### Where can I send my comments?

Catherine Blaine, AQ Permit Coordinator (503) 229-5554 or 1-800-452-4011 2020 SW Fourth Avenue, Suite 400 Portland, OR 97201 Fax: (503) 229-5265 blaine.catherine@deq.state.or.us

#### Where can I get technical information?

Kathy Amidon, Permit Writer (503) 667-8414, ext. 55010 1550 NW Eastman Parkway, Suite 290 Gresham, OR 97030 Fax: (503) 674-5148 amidon.kathy@deq.state.or.us

#### How can I review documents?

You can review electronic versions of the draft permit and review report in the online version of this document located at:

http://www.deq.state.or.us/news/publicnotices/PN.asp

You can review a hard copy of the draft permit and review report at the Northwest Branch, Multnomah County Library located at 2300 NW Thurman, Portland. The application, draft permit and draft report are available for review at the DEQ office in Portland. For a review appointment, call Susan Curry at (503) 229-6736.

#### What is proposed?

DEQ proposes to renew an air permit for Koppers, Inc. and is inviting public comment on the proposed permitting action. During the comment period the public is invited to make comments related to specific conditions within the proposed permit.

#### Permit expiration:

Oregon law requires facilities with a Simple Air Contaminant Discharge Permit to renew that permit every five years. When issued, this permit will be effective for five years, expiring on 11/1/2012.

#### Who is the applicant?

Koppers, Inc. 7540 NW St. Helens Road Portland, OR 97210

#### What is the permit number?

26-2930-SI-01

#### Who might have an interest?

People who work, live, and recreate near the plant site.

### What does Koppers do that affects air quality?

Koppers, Inc. receives, stores, and transfers coal tar pitch used in the primary aluminum production industry, and residual oil. Hot oil heaters warm the coal tar pitch prior to load-out to trucks. Fumes from storage transfer and processing are collected and routed to a fume control system. The facility includes one boiler and several storage tanks.

#### What legal requirements apply?

Oregon Revised Statutes (ORS) 468A.040 and Oregon Administrative Rules (OAR) Chapter 340 Division 216 and 218 give DEQ the authority to issue permits. OAR Chapter 340 Divisions 200 through 268 contains all pertinent rules that govern the air quality program.

### How does DEQ determine what requirements go in the permit?

Various federal and state regulations apply to a facility depending on the type of industry, the type and amount of pollutants emitted, and the location of the facility. All applicable regulations must be contained in the permit, including the appropriate recordkeeping,



State of Oregon Department of Environmental Quality

### Northwest Region Air Quality

2020 SW Fourth Avenue Portland, OR 97201 Phone: (503) 229-5554

(800) 452-4011

Fax: (503) 229-6945

www.oregon.gov/DEQ

Notice Issued: 11/21/07 By: Kathy Amidon monitoring, and reporting requirements to ensure compliance with these rules.

#### Meeting air quality standards

Air quality in rural Columbia County meets the National Ambient Air Quality Standards (NAAQS) established by the US Environmental Protection Agency (EPA) to protect public health. DEQ has determined that the air emissions from Koppers, Inc. will not result in a violation of those standards. DEQ is responsible for establishing permit emissions limits that ensure air quality standards are not violated.

### What pollutants are considered in determining permitted limits?

EPA and DEQ use six key pollutants as indicators of air quality. These are known as "criteria pollutants" and are compounds that, if inhaled, may lead to health effects that generally aggravate cardiovascular and respiratory disease. If the amount of criteria pollutants emitted is greater than a regulated minimum, then emission limits are established.

Hazardous air pollutants (HAPs) are compounds that, if inhaled, may pose a threat of adverse human health or environmental effects, including, for example, acute or chronic toxicity, cancer, birth defects, or reproductive dysfunction. The mere presence of these pollutants in the air does not necessarily mean that a health risk exists. EPA has established a list of 187 compounds that are classified and regulated as HAPs. If the amount of HAPs released is greater than a regulated minimum level, then additional requirements may also apply.

For more information about criteria pollutants, go to:

www.deg.state.or.us/aq/forms/2005ar/2005ar.pdf

For more information about hazardous air pollutants, go to:

www.epa.gov/ttn/atw/hlthef/hapindex.html

### How are the permitted substances measured?

Emissions are calculated using established emission factors and a simple calculation.

#### **Emissions and permit limits**

Table 1 below presents the maximum <u>allowable</u> emissions for the facility. The Proposed

Emission Limit reflects the maximum amount of emissions the facility would be able to emit under the proposed permit. Typically, a facility's actual emissions are less than the maximum limits established in a permit; however, actual emissions can increase up to the permitted limit.

The proposed facility does not have the potential to be a major source of HAPs. In addition, EPA has determined that these types of sources do not warrant regulation for HAPs. Combustion of natural gas results in only trace amounts of various HAPs.

#### Compliance history:

There have been no complaints or enforcement actions against this facility since the last permit renewal. The facility was inspected on 2/28/06 and found to be in compliance with permit conditions.

### What are the special conditions of this permit?

One hot oil heater is subject to New Source Performance Standards. The Standards require that the company monitor the types and amounts of fuels combusted in the heater on a monthly basis.

What other DEQ permits are required? This facility also has a storm water discharge permit.

### What other sources of air pollutants are in the vicinity of the facility?

Koppers, Inc. is located near the rail yards in northwest Portland. It is a designated heavy industrial area.

EPA and DEQ split up the sources into three categories: point, area, and mobile sources. Point sources are primarily large industrial facilities. Area sources are smaller than point sources and include backyard burning, woodstoves, consumer products, gasoline stations, etc. Mobile sources include cars, trucks, airplanes, ships, railroads, and construction equipment.

### What other information about this company is related to this permit?

The company operates no other facilities in the area.

#### What happens next?

After the comment period closes, DEQ will consider and provide responses to all comments received. DEQ may modify provisions in the proposed permit, but the permit writer can only



modify conditions of the permit in accordance with the rules and statutes under the authority of DEQ. Participation in the rulemaking or the legislative process is the only way to change the rules or statutes. Ultimately, if a facility meets all legal requirements, DEQ will issue the facility's air quality permit.

#### Accessibility information

DEQ is committed to accommodating people with disabilities at our hearings. Please notify DEQ of any special physical or language

accommodations or if you need information in large print, Braille or another format. To make these arrangements, contact DEQ Communications & Outreach (503) 229-5696 or toll free in Oregon at (800) 452-4011; fax to 503-229-6762; or e-mail to deginfo@deq.state.or.us.

People with hearing impairments may call DEQ's TTY number, (503) 229-6993.

Table 1			
Criteria Pollutant	Current Limit (tons/yr)	Proposed Limit (tons/yr)	
Sulfur Dioxide (SO <sub>2</sub> )	39	39	
Nitrogen Oxides (NO <sub>x</sub> )	39	39	
Carbon Dioxide (CO)	99	99	
Volatile Organic Compounds(VOC)	39	39	



Expiration Date: 11/1/2012

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# SIMPLE AIR CONTAMINANT DISCHARGE PERMIT

Department of Environmental Quality
Northwest Region
2020 SW 4th Avenue, #400
Portland, Oregon 97201
(503) 229-5554

This permit is being issued in accordance with the provisions of ORS 468A.040 and based on the land use compatibility findings included in the permit record.

ISSUED TO:

INFORMATION RELIED UPON:

Koppers, Inc.

Application No.:

022207

436 Seventh Avenue

Date Received:

5/3/07

Pittsburgh, PA 15219-1800

PLANT SITE LOCATION:

LAND USE COMPATIBILITY FINDING:

7540 NW St. Helens Road

Approving Aumo

Approving Authority: City of Portland

Portland, OR 97210

Approval Date:

9/15/97

#### ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

Ed Druback, Northwest Region Air Quality Manager

Dated

Source(s) Permitted to Discharge Air Contaminants (OAR 340-216-0020):

Table 1 Code	Source Description	SIC/NAICS
Part B, 75	Source not otherwise listed that would emit 10 or more	2865
	tons/year if uncontrolled (coal tar pitch processing)	. 325192

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#### 1.0 GENERAL EMISSION STANDARDS AND LIMITS

#### 1.1. Visible Emissions

The permittee must comply with the following visible emission limits, as applicable:

- a. Emissions from any fuel burning equipment must not equal or exceed 20% opacity for a period aggregating more than 3 minutes in any one hour.
- b. Emissions from any air contaminant source other than fuel burning equipment must not equal or exceed 20% opacity for a period aggregating more than 30 seconds in any one hour.

## 1.2. Particulate Matter Emissions

The permittee must comply with the following particulate matter emission limits, as applicable:

- a. Particulate matter emissions from any boilers installed on or before June 1, 1970 must not exceed 0.2 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air
- b. Particulate matter emissions from boilers installed, constructed, or modified after June 1, 1970 must not exceed 0.1 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air.
- c. Particulate matter emissions from any air contaminant source installed on or before June 1, 1970 other than fuel burning equipment and fugitive emission sources must not exceed 0.2 grains per standard cubic foot.
- d. Particulate matter emissions from any air contaminant source installed, constructed, or modified after June 1, 1970 other than boilers and fugitive emission sources must not exceed 0.1 grains per standard cubic foot.

#### 1.3. Fugitive Emissions

The permittee must take reasonable precautions to prevent fugitive dust emissions by:.

- a. Treating vehicular traffic areas of the plant site under the control of the permittee.
- b. Operating all air contaminant-generating processes so that fugitive type dust associated with the operation will be adequately controlled at all times.
- c. Storing collected materials from air pollution control equipment in a covered container or other method equally effective in preventing the material from becoming airborne during storage and transfer.

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## 1.4. Particulate Matter Fallout

The permittee must not cause or permit the emission of any particulate matter larger than 250 microns in size at sufficient duration or quantity, as to create an observable deposition upon the real property of another person. The Department will verify that the deposition exists and will notify the permittee that the deposition must be controlled.

# 1.5. Nuisance and Odors

The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by Department personnel.

# 1.6. Fuels and Fuel Sulfur Content

The permittee must not use any fuel other than natural gas, propane, butane, ASTM grade fuel oils, or on-specification used oil.

- a. Fuel oils must not contain more than:
  - i. 0.3% sulfur by weight for ASTM Grade 1 distillate oil;
  - ii. 0.5% sulfur by weight for ASTM Grade 2 distillate oil;

#### 2.0 NEW SOURCE PERFORMANCE STANDARDS

2.1. Applicability - Hot Oil Heater

The facility's North American hot oil heater installed in 1999 is an affected facility under 40 CFR 60, Subpart Dc because it combusts fuel to heat a "heat transfer medium".

2.2. Fuel Monitoring

The permittee must record and maintain records of the amounts of each fuel combusted in the hot oil heater during each calendar month. These records must be retained on site for a period of at least two years.

#### 3.0 OPERATION AND MAINTENANCE REQUIREMENTS

#### 3.1. Boiler Tune-up

The permittee must conduct a maintenance service on the boiler at least once every two years. At a minimum, the service must include an inspection of the burners and refractory chamber, cleaning, adjustment, and repair as necessary. Records of the service must be maintained on site for a period of two years.

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#### 4.0 PLANT SITE EMISSION LIMITS

4.1. Plant Site
Emission Limits
(PSEL)

Plant site emissions must not exceed the following:

Pollutant	Limit	Units			
SO <sub>2</sub>	39	tons per year			
NO <sub>X</sub>	39	tons per year			
СО	99	tons per year			
VOC	39	tons per year			

4.2. Annual Period

The annual plant site emissions limits apply to any 12-consecutive calendar month period.

#### 5.0 COMPLIANCE DEMONSTRATION

5.1. PSEL Compliance Monitoring

Compliance with the PSEL is determined for each 12-consecutive calendar month period based on the following calculation for each pollutant:

E =  $\Sigma(EF \times P)/2000 \text{ lbs}$ 

where,

E = pollutant emissions (ton/yr);

EF = pollutant emission factor (Condition 11.0);

P = process production data:

Oil combusted

Natural gas combusted

Hours of operation, fume recovery system

**5.2.** Emission Factors

The permittee must use the default emission factors provided in Condition 11.0 for calculating pollutant emissions, unless alternative emission factors are approved by the Department.

#### 6.0 RECORDKEEPING REQUIREMENTS

6.1. Operation and Maintenance

The permittee must maintain the following records related to the operation and maintenance of the plant and associated air contaminant control devices, monthly unless otherwise stated:

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- a. Throughput of coal tar pitch;
- b. Throughput of heavy oil;
- c. Boiler operating time, in hours;
- d. Total hot oil heater operating time, in hours;
- e. Natural gas combusted in the hot oil heater, in MMCF;
- f. Natural gas combusted in the plant, in MMCF;
- g. Distillate oil combusted, in 1,000 gallons; Monthly calculation of emissions, per Condition 5.1.

#### 6.2. Excess Emissions

The permittee must maintain records of excess emissions as defined in OAR 340-214-0300 through 340-214-0340 (recorded on occurrence). Typically, excess emissions are caused by process upsets, startups, shutdowns, or scheduled maintenance. In many cases, excess emissions are evident when visible emissions are greater than 20% opacity for 3 minutes or more in any 60-minute period. If there is an ongoing excess emission caused by an upset or breakdown, the permittee must cease operation of the equipment or facility no later than 48 hours after the beginning of the excess emissions, unless continued operation is approved by the Department in accordance with OAR 340-214-0330(4).

#### 6.3. Complaint Log

The permittee must maintain a log of all written complaints and complaints received via telephone that specifically refer to air pollution concerns associated to the permitted facility. The log must include a record of the permittee's actions to investigate the validity of each complaint and a record of actions taken for complaint resolution.

## 6.4. Retention of Records

Unless otherwise specified, all records must be maintained on site for a period of two (2) years and made available to the Department upon request.

#### 7.0 REPORTING REQUIREMENTS

#### 7.1. Excess Emissions

The permittee must notify DEQ of excess emissions events if the excess emission is of a nature that could endanger public health.

a. Such notice must be provided as soon as possible, but never more than one hour after becoming aware of the problem. Notice must be made to the regional office identified in Condition 8.4 by e-mail, telephone, facsimile, or in person.

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b. If the excess emissions occur during non-business hours, the permittee must notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.

The permittee must also submit follow-up reports when c. required by the Department.

#### 7.2. **Annual Report**

For each year this permit is in effect, the permittee must submit to the Department by February 15 two (2) copies of the following information for the previous calendar year:

- a. Operating parameters:
  - i. Annual throughput of coal tar pitch;
  - ii. Annual throughput of heavy oil;
  - iii. Boiler operating time;
  - iv. Total hot oil heater operating time;
  - v. Highest sulfur content of oil combusted;
  - vi. Types and quantities of fuels combusted (1,000 gallons and MMCF)
- A summary of annual pollutant emissions determined each b. month in accordance with Condition 5.1.
- Records of all planned and unplanned excess emissions c. events.
- d. Summary of complaints relating to air quality received by permittee during the year.
- List permanent changes made in plant process, production e. levels, and pollution control equipment which affected air contaminant emissions.
- f. List major maintenance performed on pollution control equipment.

#### 7.3. **Notice of Change** of Ownership or **Company Name**

The permittee must notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:

- Legal change of the name of the company as registered with the Corporations Division of the State of Oregon; or
- b. Sale or exchange of the activity or facility.

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# 7.4. Construction or Modification Notices

The permittee must notify the Department in writing using a Departmental "Notice of Construction Form," or "Permit Application Form," and obtain approval in accordance with OAR 340-210-0205 through 340-210-0250 before:

- a. Constructing, installing, or establishing a new stationary source that will cause an increase in any regulated pollutant emissions;
- b. Making any physical change or change in operation of an existing stationary source that will cause an increase, on an hourly basis at full production, in any regulated pollutant emissions; or
- c. Constructing or modifying any air pollution control equipment.

# 7.5. Where to Send Reports and Notices

The reports, with the permit number prominently displayed, must be sent to the Permit Coordinator for the region where the source is located as identified in Condition 8.3.

#### 8.0 ADMINISTRATIVE REQUIREMENTS

# 8.1. Permit Renewal Application

The completed application package for renewal of this permit is due on 9/1/2012. Two (2) copies of the application must be submitted to the DEQ Permit Coordinator listed in condition 8.3

## 8.2. Permit Modifications

Application for a modification of this permit must be submitted not less than 60 days prior to the source modification. A special activity fee must be submitted with an application for the permit modification. The fees and two (2) copies of the application must be submitted to the Business Office of the Department.

# 8.3. Permit Coordinator Addresses

All reports, notices, and applications should be directed to the Permit Coordinator for DEQ's Northwest Region:

Department of Environmental Quality Northwest Region 2020 SW 4th Avenue, Suite 400 Portland, OR 97201-4987 Telephone: (503) 229-5582

# 8.4. Department Contacts

Information about air quality permits and the Department's regulations may be obtained from the DEQ web page at <a href="https://www.deq.state.or.us">www.deq.state.or.us</a>. All inquiries about this permit should be directed to DEQ's Northwest Region Office:

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Department of Environmental Quality East Side Office, Air Quality Section 1550 NW Eastman Parkway, Suite 290 Gresham, OR 97030 Telephone: (503) 667-8414

#### **9.0 FEES**

9.1. Annual The Annual Fee specified in OAR 340-216-0020, Table 2, Part 2 Compliance Fee for a Simple ACDP is due on **December 1** of each year this... permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date. 9.2. Change of The non-technical permit modification fee specified in OAR 340-Ownership or 216-0020, Table 2, Part 3(a) is due with an application for changing the ownership or the name of the company. **Company Name** Fee 9.3. **Special Activity** The special activity fees specified in OAR 340-216-0020, Table 2, Part 3 (b through i) are due with an application to modify the Fees permit. 9.4. Where to Submit Fees must be submitted to: **Fees** Department of Environmental Quality **Business Office** 811 SW Sixth Avenue Portland, Oregon 97204-1390

#### 10.0 GENERAL CONDITIONS AND DISCLAIMERS

10.1.	Activities	This permit allows the permittee to discharge air contaminants from processes and activities related to the air contaminant source(s) listed on the first page of this permit until this permit expires, is modified, or is revoked.
10.2.	Other Regulations	In addition to the specific requirements listed in this permit, the permittee must comply with all other legal requirements enforceable by the Department.
10.3.	Conflicting Conditions	In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.

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10.4. Masking of Emissions

The permittee must not cause or permit the installation of any device or use any means designed to mask the emissions of an air contaminant that causes or is likely to cause detriment to health, safety, or welfare of any person or otherwise violate any other regulation or requirement.

10.5. Department Access

The permittee must allow the Department's representatives access to the plant site and pertinent records at all reasonable times for the purposes of performing inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emissions discharge records and conducting all necessary functions related to this permit in accordance with ORS 468-095.

- 10.6. Permit Availability
- The permittee must have a copy of the permit available at the facility at all times.
- 10.7. Open Burning
- The permittee may not conduct any open burning except as allowed by OAR 340 Division 264.
- 10.8. Asbestos
- The permittee must comply with the asbestos abatement requirements in OAR 340, Division 248 for all activities involving asbestos-containing materials, including, but not limit to, demolition, renovation, repair, construction, and maintenance.
- 10.9. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

10.10. Termination, Revocation, or Modification The Department may modify or revoke this permit pursuant to OAR 340-216-0082 and 340-216-0084.

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### 11.0 EMISSION FACTORS

Emissions device or activity	Pollutant	Emission Factor (EF)	EF units	EF reference	
Oil Combustion	SO <sub>2</sub>	71.0	Lb/1,000 gallons		
	NO <sub>X</sub>	20.0	Lb/1,000 gallons	DEQ Factors	
	СО	5.0	Lb/1,000 gallons		
	VOC	0.2	Lb/1,000 gallons		
Natural Gas Combustion	SO <sub>2</sub>	2.6	Lb/MMCF		
	NO <sub>X</sub>	100.0	Lb/MMCF	DEQ Factors	
	СО	84.0	Lb/MMCF	·	
	VOC	2.8	Lb/MMCF		
Fume Recovery System	VOC	1.37	Lb/hour	Calculated by Chemcad	

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### 12.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS

ACDP	Air Contaminant Discharge	NSR	New Source Review
	Permit	$O_2$	oxygen
ASTM	American Society for Testing and Materials	OAR	Oregon Administrative Rules
AQMA	Air Quality Maintenance Area	ORS	Oregon Revised Statutes
calendar		O&M	operation and maintenance
year	The 12-month period beginning January 1st and	Pb	lead
•	ending December 31st	PCD	pollution control device
CFR	Code of Federal Regulations	PM	particulate matter
CO	carbon monoxide	$PM_{10}$	particulate matter less than 10
DEQ	Oregon Department of		microns in size
	Environmental Quality	ppm	part per million
dscf	dry standard cubic foot	PSD	Prevention of Significant
EPA	US Environmental Protection	•	Deterioration
	Agency	PSEL	Plant Site Emission Limit
FCAA	Federal Clean Air Act	PTE	Potential to Emit
gal	gallon(s)	RACT	Reasonably Available Control
gr/dscf	grains per dry standard cubic		Technology
	foot	scf	standard cubic foot
HAP	Hazardous Air Pollutant as defined by OAR 340-244-	SER	Significant Emission Rate
	0040	SIC	Standard Industrial Code
I&M	inspection and maintenance	SIP	State Implementation Plan
lb	pound(s)	SO <sub>2</sub>	sulfur dioxide
MMBtu	million British thermal units	Special	as defined in OAR 340-204-
NA	not applicable	Control Area	0070
	National Emissions Standards	VE	visible emissions
	for Hazardous Air Pollutants	VOC	volatile organic compound
$NO_X$	nitrogen oxides	year	A period consisting of any 12-
	New Source Performance Standard	Jour	consecutive calendar months

Review Report/Permit No.: 26-2930-SI-01

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#### Department of Environmental Quality Northwest Region Air Quality Program

# Simple AIR CONTAMINANT DISCHARGE PERMIT REVIEW REPORT

Koppers, Inc. 7540 NW St. Helens Road Portland, OR 97210 (503) 286-3681

Unassigned emissions	
Emission credits	
Source test	
COMS	
CEMS	
Compliance schedule	
Special conditions	
Annual report	X
Semi-annual report	
Quarterly report	

Monthly report	
Excess emissions report	
NSPS	X
NESHAP	
NSR	
PSD	
RACT	
FCE	
Public Notice	II

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#### **PERMITTING**

#### PERMITTING ACTION

1. The permit is a renewal for an existing Air Contaminant Discharge Permit (ACDP) which was issued on 11/27/02 and was originally scheduled to expire on 9/1/07. Addendum 1, issued 5/2/03, changed the corporate name from Koppers Industries, Inc. to Koppers, Inc.

#### OTHER PERMITS

2. Other permits issued or required by the Department of Environmental Quality for this source include NPDES 10164 for the control of storm water.

#### **ATTAINMENT STATUS**

3. The source is located in a maintenance area for CO and Ozone.  $NO_X$  and VOC are precursors to Ozone. The facility is an insignificant source of CO,  $NO_X$  and VOC. The area is in attainment for all other criteria pollutants.

#### **SOURCE DESCRIPTION**

#### **OVERVIEW**

- 4. Koppers, Inc. receives, stores, and transfers coal tar pitch used in the primary aluminum production industry and residual oil. Hot oil heaters warm the coal tar pitch prior to load-out to trucks. Fumes from storage transfer and processing are collected and routed to a fume control system.
- 5. No changes have been made to the facility since the last permit renewal.

#### PROCESS AND CONTROL DEVICES

- 6. Existing air contaminant sources at the facility consist of the following:
  - a. One N. American boiler, fired on natural gas or distillate oil, 21 MM Btu/hr, 1965
  - b. Two N. American hot oil heaters, fired on natural gas or distillate oil, 8 MM Btu/hr, 1990 and 10 MM Btu/hr, 1999
  - c. Pitch/oil transfer system, 150,000 tons/yr, 1965; modified 1999
  - d. Fume recovery system with scrubber, 1987
  - e. Storage tank T-200 and a fume combustion system, 2.1 million gallons, 1999
  - f. Six storage tanks, 45,000 gallons to 248,000 gallons, built 1927 1952

Permit No.: 26-2930-SI-01 Application No.: 22207

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#### **COMPLIANCE**

- 7. The facility was inspected on 2/28/06 and found to be in compliance with permit conditions.
- 8. During the prior permit period there were no complaints recorded for this facility.
- 9. No enforcement actions have been taken against this source since the last permit renewal.

#### **EMISSIONS**

10. Proposed PSEL information:

		Nettin	g Basis	Plant Site	Emission Lim	its (PSEL)
Pollutant	Baseline Emission Rate (tons/yr)	Previous (tons/yr)	Proposed (tons/yr)	Previous PSEL (tons/yr)	Proposed PSEL (tons/yr)	PSEL Increase (tons/yr)
SO <sub>2</sub>	0	0	0	39	39	0
NO <sub>x</sub>	0	0	0	39	39	0
CO	0	0	0	99	99	0
VOC	0	0	0	39	39	0

- a. The proposed PSELs for all pollutants are equal to the Generic PSEL in accordance with OAR 340-216-0064(4)(b) and the netting basis is zero in accordance with OAR 340-222-0040(2).
- b. PM/PM<sub>10</sub> are considered negligible and are not included in the PSEL.
- c. Fuel usage is estimated at 184 MMCF of natural gas and 100,000 gallons of diesel oil.
- d. The PSEL is a federally enforceable limit on the potential to emit.

#### SIGNIFICANT EMISSION RATE ANALYSIS

11. For each pollutant, the proposed Plant Site Emission Limit is less than the Netting Basis plus the significant emission rate, thus no further air quality analysis is required.

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#### **MAJOR SOURCE APPLICABILITY**

#### **CRITERIA POLLUTANTS**

12. A major source is a facility that has the potential to emit 100 or more tons per year of any criteria pollutant. This facility is not a major source of criteria pollutant emissions. PTE for this facility is: 21 tons SO<sub>2</sub>; 23 tons NO<sub>X</sub>; 6 tons CO; and 19 tons VOC.

#### HAZARDOUS AIR POLLUTANTS

13. A major source is a facility that has the potential to emit 10 or more tons/year of any single HAP, or 25 or more tons/year of combined HAPs. This facility is not a major source of hazardous air pollutants.

Hazardous Air Pollutant	Potential to Emit (tons/year)
Napthalene	2.00
Quinoline	0.13
Biphenyl	0.16
Dibenzofuran	1.0
Total	3.0

#### **ADDITIONAL REQUIREMENTS**

#### NSPS APPLICABILITY

14. 40 CFR 60 Dc, Small Steam Generating Units, is applicable to the hot oil heater installed in 1999. 40 CFR 60.41c defines a steam generating unit as "a device that combusts any fuel and produces steam or heats water or any other heat transfer medium." The hot oil heater has a heat input value of 10 MM Btu/hour and is thus subject to the NSPS.

The permittee has removed from the hot oil heater the ability to combust oil; only natural gas will be used. See the letter dated 10/10/07 in the file. The only applicable requirement is to keep records of fuels used in the heater. No reporting requirement applies. Fuel usage records will be kept on site for review.

#### NESHAPS/MACT APPLICABILITY

15. There are no sources at this facility for which NESHAPS/MACT standards have been promulgated.

Permit No.: 26-2930-SI-01 Application No.: 22207

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#### RACT APPLICABILITY

16. The facility is located in the Portland AQMA, but it is not one of the listed source categories in OAR 340-232-0010, thus the categorical RACT rules do not apply. The facility does not have the potential to emit 100 tons of any criteria pollutant, thus source specific RACT does not apply.

#### TACT APPLICABILITY

17. The source is meeting the states TACT/Highest and Best Rules by using water in the fume recovery system instead of oil and using the recovery system only as needed. A thermal oxidizer will be installed when production levels reach 5,000 tons per month for three consecutive months (NC 18175, 6/2000)

#### **PUBLIC NOTICE**

18. Pursuant to OAR 340-216-0064(5)(a), issuance of Simple Air Contaminant Discharge Permits require public notice in accordance with OAR 340-209-0030(3)(b), which requires that the Department provide notice of the proposed permit action and a minimum of 30 days for interested persons to submit written comments. The public notice was made available for public comment from November 21, 2007 until December 21, 2007, 5pm..

ka:gg 11/20/2007



Koppers inc.
Carbon Materials and Chemicals

7540 NW Saint Helens Road Portland, OR 97210-3663 Tel 503 286 3681 Fax 503 285 2831 www.koppers.com

October 10, 2007

Kathy Amidon Oregon Department Of Environmental Quality Northwest Region-Air Quality Program

Subject: Simple Air Contaminant Discharge Permit- Koppers Inc. Northwest Terminal:

Dear Ms. Amidon.

Koppers Inc. appreciates the opportunity to comment on the draft air permit. Koppers understands based on conversations with you and section 2 of the draft permit regarding New Source Performance Standard (NSPS) applicability could be deleted if Koppers did not use diesel fuel to fire the 10 MM BTU hot oil heater. The Portland Terminal maintained the option to use diesel in the event of interruption of the natural gas supply but has never used diesel fuel in this capacity. Koppers has evaluated this alternative and has decided that it is not necessary to maintain the ability to use diesel fuel in the 10MM BTU heater. These fuel oil lines have been disconnected and removed from the 10MM BTU heater. Therefore, since diesel fuel will not be used for this heater, please delete section 2 and all corresponding monitoring and reporting requirements from the draft permit. Thank You for your clarification of the regulatory requirements and the opportunity to review the draft permit.

Sincerely,

Plant Superintendent



Department of Environmental Quality

Northwest Region Portland Office
Air Quality Program
2020 SW 4<sup>th</sup> Avenue, Suite 400
Portland, OR 97201-4987
(503) 229-5554
FAX (503) 229-6945
TTY (503) 229-5471

May 4, 2007

Koppers, Inc. Attn: Sandra Schmittal 436 Seventh Ave. Pittsburgh, PA 15219-1800

Re: Renewal Application

Koppers Inc.

Permit #26-2930 App. # 22207

The application for a renewal of your existing Standard Air Contaminant Discharge Permit was received by the Department of Environmental Quality on May 3, 2007 and has been assigned application number 22207. The Department will contact you if additional information is needed. Please reference the permit number in all correspondence to the Department related to this facility.

If no action has been taken on your application by the expiration date of your present permit, your present permit will remain in effect until final permit action is taken.

In addition to meeting the air quality standards, your facility is also obligated to operate in compliance with the daytime and nighttime noise standards set forth in Oregon Administrative Rule (OAR) 340-35-035(1). A copy of the noise regulations can now be found on line at http://www.deq.state.or.us/aq/rules/index.htm.

If you have any questions please contact Tina Leppaluoto at (503) 667-8414 extension 55020.

Sincerely,

Catherine Blaine
Permit Coordinator
Air Quality Program
Northwest Region

Cc: NWR

T. J. Turner, Plant Superintendant, Koppers inc., 7540 NW St. Helens Rd., Portland, OR, 97210

Permit Number: 26-2930 \_xpiration Date: 09/01/2007

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### SIMPLE AIR CONTAMINANT DISCHARGE PERMIT

Department of Environmental Quality Northwest Region 2020 SW 4th Avenue, #400 Portland, Oregon 97201 (503) 229-5554

This permit is being issued in accordance with the provisions of ORS 468A.040 and based on the land use compatibility findings included in the permit record.

ISSUED TO:

INFORMATION RELIED UPON:

Koppers Industries, Inc. 7540 NW Saint Helens Road Portland, OR 97210-3663

Application No.:

0020276

Date Received:

06/27/2002

PLANT SITE LOCATION:

LAND USE COMPATIBILITY FINDING:

7540 NW Saint Helens Road Portland, OR 97210-3663

Approving Authority: City of Portland Approval Date:

09/15/1997

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

NOV 27 2002

Ed Druback, Air Quality Manager

Dated

Source(s) Permitted to Discharge Air Contaminants (OAR 340-216-0020):

Table 1 Code	Source Description	SIC
Part B, #75	All Other Sources not listed in Part B (Coal tar pitch	2865
	processing facility)	

Permit Number: 26-2930 apiration Date: 09/01/2007

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#### 1.0 GENERAL EMISSION STANDARDS AND LIMITS

#### 1.1 Visible Emissions

The permittee must comply with the following visible emission limits, as applicable:

- a. Emissions from any air contaminant source installed on or before June 1, 1970 must not exceed an opacity equal to or greater than 40% for a period aggregating more than 3 minutes in any one hour.
- b. Emissions from any air contaminant source installed, constructed, or modified after June 1, 1970 must not exceed an opacity equal to or greater than 20% for a period aggregating more than 3 minutes in any one hour.
- c. Emissions from any air contaminant source other than fuel burning equipment must not exceed an opacity equal to or greater than 20% for a period aggregating more than 30 seconds in any one hour.

### 1.2. Particulate Matter Emissions

The permittee must comply with the following particulate matter emission limits, as applicable:

- a. Particulate matter emissions from any fuel burning equipment installed on or before June 1, 1970 must not exceed 0.2 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air.
- b. Particulate matter emissions from any burning equipment installed, constructed, or modified after June 1, 1970 must rot exceed 0.1 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air.
- c. Particulate matter emissions from fuel burning equipment must not exceed:
  - i. 0.2 grains per dry standard cubic foot corrected to 12% CO<sub>2</sub> when using wood residue in equipment that existed before April 7, 1978;
  - ii. 0.1 grains per dry standard cubic foot corrected to 12% CO<sub>2</sub> when using wood residue in equipment that did not exist before April 7, 1978; or
  - iii. The emission rate shown in Figure 1 of OAR 340-208-0610 as a function of the maximum heat input when using all other fuels, except natural gas and LPG.
- d. Particulate matter emissions from any air contaminant source installed on or before June 1, 1970 other than fuel

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burning equipment and fugitive emission sources must not exceed 0.2 grains per standard cubic foot.

- e. Particulate matter emissions from any air contaminant source installed, constructed, or modified after June 1, 1970 other than fuel burning equipment and fugitive emission sources must not exceed 0.1 grains per standard cubic foot.
- f. Non-fugitive particulate matter emissions from any process must not exceed the amount shown in Table 1 of OAR 340-226-0310 for the process weight allocated to such a process.

## 1.3. Fugitive Emissions

The permittee must take reasonable precautions to prevent fugitive dust emissions by:.

- a. Treating vehicular traffic areas of the plant site under the control of the permittee.
- b. Operating all air contaminant-generating processes so that fugitive type dust associated with the operation will be adequately controlled at all times.
- c. Storing collected materials from air pollution control equipment in a covered container or other method equally effective in preventing the material from becoming airborne during storage and transfer.

## 1.4. Particulate Matter Fallout

The permittee must not cause or permit the emission of any particulate matter larger than 250 microns in size at sufficient duration or quantity, as to create an observable deposition upon the real property of another person. The Department will verify that the deposition exists and will notify the permittee that the deposition must be controlled.

## 1.5. Nuisance and Odors

The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by Department personnel.

## 1.6. Fuels and Fuel Sulfur Content

The permittee must not use any fuel other than natural gas, propane, butane, ASTM grade fuel oils, or on-specification used oil.

- a. Fuel oils must not contain more than:
  - i. 0.3% sulfur by weight for ASTM Grade 1 distillate oil;
  - ii. 0.5% sulfur by weight for ASTM Grade 2 distillate oil;

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- iii. 1.75% sulfur by weight for residual oil;
- b. The permittee is allowed to use on-specification used oil as fuel which contains no more than 0.5% sulfur by weight. The permittee must obtain analyses from the marketer or, if generated on site, have the used oil analyzed, so that it can be demonstrated that each shipment of oil does not exceed the used oil specifications contained in 40 CFR Part 279.11, Table 1.

#### 2.0 OPERATION AND MAINTENANCE REQUIREMENTS

#### 2.1. Work practices

- a. The permittee shall at all times maintain and operate all air contaminant generating processes and all air contaminant control equipment at full efficiency and effectiveness, such that the emission of air contaminant are kept at the lowest practicable levels.
- b. A maintenance service must be performed on the boiler at least once every two years. As a minimum, the service must include an inspection of the burners and refractory chamber, cleaning adjustment, and repair as necessary. Records of the service shall be maintained on site for a period of two (2) years and for Department's inspection.

#### 3.0 PLANT SITE EMISSION LIMITS

3.1. Plant Site
Emission Limits
(PSEL)

Plant site emissions must not exceed the following:

Pollutant	Limit	Units
SO <sub>2</sub>	39	tons per year
NO <sub>X</sub>	39	tons per year
СО	99	tons per year
VOC	39	tons per year

3.2. Annual Period

The annual plant site emissions limits apply to any 12-consecutive calendar month period.

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#### 4.0 COMPLIANCE DEMONSTRATION

# 4.1. Monitoring Requirements

The permittee must monitor the operation and maintenance of the plant and associated air contaminant control devices as follows:

- a. All operating and production parameters to be reported to the Department annually as required in Condition 6.0.
- b. Excess emission (recorded on occurrence)
- c. A description of any maintenance to the air contaminant control system (recorded on occurrence)

# 4.2. PSEL Compliance Monitoring

Compliance with the PSEL is determined for each 12-consecutive calendar month period based on the following calculation for each pollutant:

E =  $\Sigma(EF \times P)/2000 \text{ lbs}$ 

where,

E = pollutant emissions (ton/yr);

EF = pollutant emission factor (see condition 0); P = process production (see condition 11.0)

#### 4.3. Emission Factors

The permittee must use the default emission factors provided in condition 0 for calculating pollutant emissions, unless alternative emission factors are approved by the Department. The permittee may request or the Department may require using alternative emission factors provided they are based on actual test data or other documentation (e.g., AP-42 compilation of emission factors) that has been reviewed and approved by the Department.

# 4.4. Mass Balance with controls

Annual VOC emissions for each 12 consecutive calendar month period are calculated by the following formula:

Total VOC = [1.37(lb/operating hours) + 2.8 (lb/MMCF of natural gas) + 0.2 (lb/1000 gals distillate)] + 1ton/2000 lbs

#### 5.0 RECORDKEEPING REQUIREMENTS

## 5.1. Operation and Maintenance

The permittee must maintain the following records related to the operation and maintenance of the plant and associated air contaminant control devices:

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a. All operating and production parameters to be reported to the Department annually as required in Condition 6.0.

b. Maintenance service record performed on the boiler.

#### 5.2. Excess Emissions

The permittee must maintain records of excess emissions as defined in OAR 340-214-0300 through 340-214-0340 (recorded on occurrence). Typically, excess emissions are caused by process upsets, startups, shutdowns, or scheduled maintenance. In many cases, excess emissions are evident when visible emissions are greater than 20% opacity for 3 minutes or more in any 60-minute period.

#### 5.3. Complaint Log

The permittee must maintain a log of all written complaints and complaints received via telephone that specifically refer to air pollution concerns associated to the permitted facility. The log must include a record of the permittee's actions to investigate the validity of each complaint and a record of actions taken for complaint resolution.

5.4. Retention of Records

Unless otherwise specified, all records must be maintained on site for a period of two (2) years and made available to the Department upon request.

#### 6.0 REPORTING REQUIREMENTS

#### 6.1. Excess Emissions

The permittee must notify the Department by telephone or in person of any excess emissions which are of a nature that could endanger public health.

- a. Such notice must be provided as soon as possible, but never more than one hour after becoming aware of the problem. Notice must be made to the regional office identified in Condition 7.3.
- b. If the excess emissions occur during non-business hours, the permittee must notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.
- c. The permittee must also submit follow-up reports when required by the Department.

#### 6.2. Annual Report

For each year this permit is in effect, the permittee must submit to the Department by **February 15** two (2) copies of the following information for the previous calendar year:

a. Operating parameters:

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- i. Annual throughput of coal tar pitch
- ii. Annual throughput of heavy oil
- iii. Total boiler operating time (hours/year)
- iv. Total hot oil heater operating time (hours/year)
- v. Highest sulfur content oil burned (obtained from supplier)
- vi. Types and quantities of fuels burned (gallons or MMCF)
- vii. Average plant operating schedule (hours/day, days/week, weeks/year)
- b. Computations of total VOC and HAPs emissions for any 12 consecutive months period.
- c. Records of all planned and unplanned excess emissions events.
- d. Summary of complaints relating to air quality received by permittee during the year.
- e. List permanent changes made in plant process, production levels, and pollution control equipment which affected air contaminant emissions.
- f. List major maintenance performed on pollution control equipment.

# 6.3. Notice of Change of Ownership or Company Name

The permittee must notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:

- a. Legal change of the name of the company as registered with the Corporations Division of the State of Oregon; or
- b. Sale or exchange of the activity or facility.

# 6.4. Construction or Modification Notices

The permittee must notify the Department in writing using a Departmental "Notice of Construction Form," or "Permit Application Form," and obtain approval in accordance with OAR 340-210-0205 through 340-210-0250 before:

a. Constructing, installing, or establishing a new stationary source that will cause an increase in any regulated pollutant emissions;

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b. Making any physical change or change in operation of an existing stationary source that will cause an increase, on an hourly basis at full production, in any regulated pollutant emissions; or

c. Constructing or modifying any air pollution control equipment.

# 6.5. Where to Send Reports and Notices

The reports, with the permit number prominently displayed, must be sent to the Permit Coordinator for the region where the source is located as identified in Condition 7.3.

#### 7.0 ADMINISTRATIVE REQUIREMENTS

# 7.1. Permit Renewal Application

The completed application package for renewal of this permit is due on July 1, 2007. Two (2) copies of the application must be submitted to the DEQ Permit Coordinator listed in condition 7.3

## 7.2. Permit Modifications

Application for a modification of this permit must be submitted not less than 60 days prior to the source modification. A special activity fee must be submitted with an application for the permit modification. The fees and two (2) copies of the application must be submitted to the Business Office of the Department.

# 7.3. Permit Coordinator Address

All reports, notices, and applications should be directed to the Permit Coordinator for the area where the source is located. The Permit Coordinator addresses are as follows:

Department of Environmental Quality Northwest Region 2020 SW 4th Avenue, Suite 400 Portland, OR 97201-4987 Telephone: (503) 229-5582

### 7.4. Department Contacts

Information about air quality permits and the Department's regulations may be obtained from the DEQ web page at <a href="https://www.deq.state.or.us">www.deq.state.or.us</a>. All inquiries about this permit should be directed to the regional office for the area where the source is located. The Department's regional offices are as follows:

Department of Environmental Quality Portland Office 2020 SW 4th Avenue, Suite 400 Portland, OR 97201-4987

This is a copy of a document stored electronically at Koppers corporate headquarters

Telephone: (503) 229-5554

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#### **8.0 FEES**

8.1. Annual The Annual Fee specified in OAR 340-216-0020, Table 2, Part 2 Compliance Fee for a Simple ACDP is due on December 1 of each year this permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date. 8.2. Change of The non-technical permit modification fee specified in OAR 340-Ownership or 216-0020, Table 2, Part 3(a) is due with an application for Company Name changing the ownership or the name of the company. Fee 8.3. Special Activity The special activity fees specified in OAR 340-216-0020, Table 2, Fees Part 3 (b through i) are due with an application to modify the permit. 8.4. Where to Submit Fees must be submitted to: Fees Department of Environmental Quality Business Office 811 SW Sixth Avenue Portland, Oregon 97204-1390

#### 9.0 GENERAL CONDITIONS AND DISCLAIMERS

9.1.	Permitted Activities	This permit allows the permittee to discharge air contaminants from processes and activities related to the air contaminant source(s) listed on the first page of this permit until this permit expires, is modified, or is revoked.
9.2.	Other Regulations	In addition to the specific requirements listed in this permit, the permittee must comply with all other legal requirements enforceable by the Department.
9.3.	Conflicting Conditions	In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.
9.4.	Masking of Emissions	The permittee must not cause or permit the installation of any device or use any means designed to mask the emissions of an air contaminant that causes or is likely to cause detriment to health, safety, or welfare of any person or otherwise violate any other regulation or requirement.
9.5.	Department	The permittee must allow the Department's representatives access

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	Access	to the plant site and pertinent records at all reasonable times for the purposes of performing inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emissions discharge records and conducting all necessary functions related to this permit in accordance with ORS 468-095.
9.6.	Permit Availability	The permittee must have a copy of the permit available at the facility at all times.
9.7.	Open Burning	The permittee may not conduct any open burning except as allowed by OAR 340 Division 264.
9.8.	Asbestos	The permittee must comply with the asbestos abatement requirements in OAR 340, Division 248 for all activities involving asbestos-containing materials, including, but not limit to, demolition, renovation, repair, construction, and maintenance.
9.9.	Property Rights	The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
9.10.	Termination, Revocation, or Modification	The Department may modify or revoke this permit pursuant to OAR 340-216-0082 and 340-216-0084.

#### **10.0 EMISSION FACTORS**

Emissions device or activity	Pollutant	Emission Factor (EF)	EF units .	EF reference
Fuel Combustion:				
a) Oil, Distillate	SO <sub>2</sub>	71	lb/1,000 gal	DEQ Emission Factor
	NO <sub>x</sub>	20	lb/1,000 gal	DEQ Emission Factor

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	СО	5	lb/1,000 gal	DEQ Emission
		_		Factor
	VOC	0.2	Lb/1,000 gal	DEQ Emission
				Factor
b) Natural gas	SO <sub>2</sub>	2.6	lb/MMCF	DEQ Emission Factor
	NOx	140	lb/MMCF	DEQ Emission Factor
	СО	35	lb/MMCF	DEQ Emission Factor
	VOC	2.8	lb/MMCF	DEQ Emission Factor
Fume Recovery System	VOC	1.37	lb/hr	Emission calculated using ChemCAD

#### 11.0 PROCESS/PRODUCTION RECORDS

Emissions device or activity	Process or production parameter	Frequency
Operating hours	Hours/yr	Once a month
Fuel usage: a) oil	Gallons/hour	Once a month
b) natural gas	MM cubic feet/hour	Once a month
VOC emissions	Gallons/hour	Once a month

### 12.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS

ACDP	Air Contaminant Discharge	CFR	Code of Federal Regulations
	Permit	CO	carbon monoxide
ASTM	American Society for Testing and Materials	DEQ	Oregon Department of Environmental Quality
AQMA	Air Quality Maintenance Area	dscf	dry standard cubic foot
calendar year	The 12-month period beginning January 1st and ending December 31st	EPA	US Environmental Protection Agency
	chang December 31st	FCAA	Federal Clean Air Act

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gal	gallon(s)	$PM_{10}$	particulate matter less than 10	
gr/dscf	grains per dry standard cubic		microns in size	
	foot	ppm	part per million	
HAP	Hazardous Air Pollutant as defined by OAR 340-244-	PSD	Prevention of Significant Deterioration	
	0040	PSEL	Plant Site Emission Limit	
I&M	inspection and maintenance	PTE	Potential to Emit	
lb	pound(s)	RACT	Reasonably Available Control	
MMBtu	million British thermal units		Technology	
NA	not applicable	scf	standard cubic foot	
NESHAP	National Emissions Standards for Hazardous Air Pollutants	SER	Significant Emission Rate	
		SIC	Standard Industrial Code	
$NO_X$	nitrogen oxides	SIP	State Implementation Plan	
NSPS	New Source Performance Standard	SO <sub>2</sub>	sulfur dioxide	
NSR	New Source Review	Special Control	as defined in OAR 340-204- 0070	
O <sub>2</sub>	oxygen	Area		
OAR	Oregon Administrative Rules	VE	visible emissions	
ORS	Oregon Revised Statutes	VOC	volatile organic compound	
O&M	operation and maintenance	year	A period consisting of any 12-	
Pb	lead		consecutive calendar months	
PCD	pollution control device			
PM	particulate matter			

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Department of Environmental Quality
Northwest Region
Air Quality Program

# Simple AIR CONTAMINANT DISCHARGE PERMIT REVIEW REPORT

Koppers Industries, Inc. 7540 N.W. Saint Helens Road Portland, OR 97210-3663 (503) 286-368

Source	Compl		Ţ	ort		-	cess							Public
Test	Sched	Α	S	Q	M	R	N	NSR	PSD	RACT	NSPS	NESHAP	Size	Notice
		X					X						SI	II

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#### PERMITTING

#### PERMITTING ACTION

1. The permit is a renewal for an existing Air Contaminant Discharge Permit (ACDP) which was issued on June 1, 1999 and was originally scheduled to expire on September 1, 2002. The old ACDP is being converted to a Simple ACDP in accordance with the rules adopted in May 2001.

#### OTHER PERMITS

- 2. The Department has issued a water quality permit to this facility, NPDES 100419. The plant site includes 25 tanks for the collection and storage of storm water.
- 3. A Land Use Compatibility Statement signed by the City of Portland on September 15, 1997 granted unconditional approval.

#### **ATTAINMENT STATUS**

- 4. The facility is located in a maintenance area for carbon monoxide and ozone. Two contributors to ozone, nitrogen oxides (NO<sub>x</sub>) and volatile organic compounds (VOC), are regulated pollutants.
- 5. The facility is an insignificant source of CO,  $NO_x$ , and VOC. The area is an attainment for all other pollutants.

#### SOURCE DESCRIPTION

#### <u>OVERVIEW</u>

- 6. Koppers Industries, Inc., operates a coal tar pitch processing facility at 7540 NW Saint Helens Road, Portland. The facility receives, stores, and transfers coal tar pitch primarily used in the primary aluminum production industry. The major emissions sources at this facility consist of combustion sources used to heat the coal tar pitch, and fumes from the storage transfer and processing of the pitch. The fumes are collected and routed to a fume control system.
- 7. Notice of Construction (NC. No. 018175) approved on Oct. 10, 2000, allows the permittee's request to upgrade the fume control system that includes the replacement of the existing fume control system with a new thermal oxidizer. The Department also approved the facility's request to delay installation of the thermal oxidizer because of the following reasons:
  - a. The current and foreseeable drastic decline in Koppers' business due to shut down

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of the aluminum customers operations.

- b. The reduction in emissions from permitted quantities from the operating schedule changes, as a result of the reduction in throughput.
- c. A recent modification to the operation of the fume recovery system reduces emissions further.
- 8. No changes have been made to the facility since the last permit renewal.
- 9. Current rules do not require short term plant site emission. This requirement has been deleted.

#### PROCESS AND CONTROL DEVICES

10. Existing air contaminant sources at the facility consist of the following:

Equipment	Manufacturer	Capacity/Rate	Installed/Modified
Boiler, fired on natural gas or distillate oil	N. American	21 MM BTU/hr input	1965
Hot oil heater, fired on natural gas or oil	N. American	8 MM BTU/hr input	1990
Hotoil heater, fired on natural gas or oil	N. American	10 MM BTU/hr input	1999
Pitch /oil transfer system	N/A	150,000 ton/year	1965 modified in 1999
Fumer recovery system with scrubber	N/A	150,000 ton/year	1987
Storage tank (T-200) and a fume combustion system (ref. NC #018175)	N/A	2,100,000 gals	1999
Storage Tank 33 and 67	N/A ´	45,000 & 102,000 gals	1942 & 1947
Storage Tank 66 and 101	N/A	191,000 & 759,000 gals	1947 & 1952
Storage Tank 65 and 68	N/A	761,000 & 248,000 gals	1947 & 1927

#### COMPLIANCE

- 11. The facility was inspected on 08/05/2002 and found to be in compliance with permit conditions.
- 12. During the prior permit period there were no complaints recorded for this facility.
- 13. No enforcement actions have been taken against this source since the last permit renewal.

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#### **EMISSIONS**

14. Proposed PSEL information:

Pollutant	Pollutant *Baseline Emission		Emission Li	mit (tons/yr)	Increase Over Baseline	SER	
	Rate (tons/yr)	Previous PSEL (tons/yr)	Proposed PSEL (tons/yr)	Increase Over Existing Permit (tons/yr)	(tons.yr)		
SO <sub>2</sub>	0	22	39	17	39	40	
NO <sub>x</sub>	0	28	39	11	39	40	
CO	0	7	99	92	99	100	
VOC	0	20	39	19	39	40	

<sup>\*</sup>Netting basis is the same as baseline for this source.

- a. The proposed PSEL for all pollutants are equal to the Generic PSEL in accordance with OAR 340-216-0064(4)(b) and the netting basis is zero in accordance with OAR 340-222-0040(2).
- b. Emissions of PM and PM<sub>10</sub> are less than one ton per year. PM and PM<sub>10</sub> are considered negligible. PM and PM<sub>10</sub> are not included in the Plant Site Emission Limit as shown above.
- c. The facility was in operation during the baseline years. Baseline year information has not been provided, however, so baseline emission rates have not been established.
- d. Baseline emissions rate for this facility is zero and are now frozen per OAR 340-200-0020(71)(a). The netting basis is also set at zero for this source.
- e. The PSEL is a federally enforceable limit on the potential to emit.
- 15. The normal operating schedule for the equipment is 24 hrs/day x 4 days/wk x 52 wks/yr less 11 holidays = 5976 hrs/yr.
- 16. Normal annual fuel usage is 100,000 gallons of diesel oil and 184 million cubic feet of natural gas. Maximum hourly fuel burned is 150 gallons of diesel oil and/or 30,000 cubic feet of natural gas.
- 17. Throughput of pitch pencil is expected to be 100,000 tons per year and a maximum of 562 tons per hour.

#### SIGNIFICANT EMISSION RATE ANALYSIS

18. The proposed Plant Site Emissions Limit is less than the Netting Basis plus the significant emission rate, thus no further air quality analysis is required.

Page 5 of 7

#### MAJOR SOURCE APPLICABILITY

#### CRITERIA POLLUTANTS

19. A major source is a facility that has the potential to emit more than 100 tons per year of any criteria pollutant. This facility is not a major source of criteria pollutant emissions.

Plant Wide Potential to Emit:

POLLUTANT	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)
Boiler	11.31	12.52	3.13	0.25
Hot Oil Heater*	4.60	3.97	.88	0.19
Fume Recovery				18.11
System			1	
Tank 33				0.016
Tank 67				0.006
Fugitives				0.568
New Hot Oil	5.34	5.96	1.49	0.12
Heater				
T-200, T-65,				**See
& T-68* *				Note
T-66 and T-101***		-		***See
				Note
TOTAL (tons/yr)	21.25	22.45	5.50	19.26

#### Notes:

#### **HAZARDOUS AIR POLLUTANTS**

20. A major source is a facility that has the potential to emit more than 10 tons/year of any single HAP or 25 tons/year of combined HAPs. This source is not a major source of hazardous air pollutants.

Hazardous Air Pollutant	Potential to Emit (tons/year)

<sup>\*</sup>Via a prior notification to the Department that this is not a back up unit.

<sup>\*\*</sup> VOC Emissions from T-200, T-65, and T-68 are included in the fume recovery system emissions.

<sup>\*\*\*</sup>T-66 and T-101 contained solid coal tar residue. The VOC emission is insignificant.

Page 6 of 7

Naphthalene	2
Quinoline	0.13
Biphenyl	0.16
Dibenzofuran	1
Total	3

21. The source PTE has less than 80% of the threshold values for Title V for criteria pollutant, and less than 80% of the threshold values for Title III for single HAPs and combined HAPs, therefore, full compliance evaluation (FCE) is not required.

#### ADDITIONAL REQUIREMENTS

#### NSPS APPLICABILITY

22. There are no sources at this facility for which NSPS standards have been promulgated.

#### NSR/PSD APPLICABILITY

- 23. This source is not subject to federal regulations for New Source Review (NSR) or further air quality analysis.
- 24. This source is not subject to federal regulations for Prevention of Significant Deterioration (PSD).

#### NESHAPS/MACT APPLICABILITY

25. There are no sources at this facility for which NESHAPS/MACT standards have been promulgated.

#### RACT APPLICABILITY

26. The facility is located in the Portland AQMA, but it is not one of the listed source categories in OAR 340-232-0010, thus the RACT rules do not apply.

#### TACT APPLICABILITY

- 27. The source is meeting the states TACT/Highest and Best Rules by conducting the following activities:
  - a. A change in the wash fluid used in the fume recovery unit from heavy oil to

Page 7 of 7

water.

- b. The plant is now operating 5 days per week and dependent on business conditions this could change again, at some time in the future.
- c. The fume recovery unit only operates during hours needed thus reduces emission further
- d. The installation of the thermal oxidizer once the business level reaches 75% of the original projected level based on the through put or until monthly through put reaches 5000 tons per month for three consecutive months.

#### **PUBLIC NOTICE**

28. Pursuant to OAR 340-216-0064(5)(a), renewals of Simple Air Contaminant Discharge Permits require public notice in accordance with OAR 340-209-0030(3)(b). The proposed permit was placed on public notice from October 17, 2002 to November 18, 2002.

POLLUTANT	PREVIOUS PSEL (tons/yr)	PROPOSED PSEL (tons/yr)	ESTIMATED ACTUAL EMISSIONS (tons/yr)
SO <sub>2</sub>	22	39	0.02
NO <sub>x</sub>	28	39	1
CO	7	99	0.51
VOC	20	39	1.13

#### DEQ INSPECTION REPORT Northwest Region – Air Quality Section

Facility Name	and Addres	s:		<b>Permit Number:</b> 26-2930				
Koppers Indust	ries Inc.			County:				
Attn: Amos S.	Kamerer							
7540 NW Sain	t Helens Roa	ad			Multnomah			
Portland Orego	n 97210							
Inspection Dat	te/Time:	Reas	on for	Regularl	y scheduled inspection	X		
2-28-2006 11:	00	Inspe	ection:	Complai	Complaint follow-up			
	(chec	ck one)	Other (specify)					
<u> </u>		<u> </u>		· · · ·				
	ACDP	X			FCE/PCE (specify)			
Permit Type:			Inspecti	on Type: State Inspection		X		
(check one)	Title V		(check t	wo)	Announced	X		
					Unannounced			
Inspector(s):		Tin	a Leppalı	ioto, Natura	al Resource Specialist			
(Name, Title a	nd Agency		Q-NWR/		1 9,			
Air Quality Manager			Druback,	Northwest	Region	$\overline{}$		
			(503) 229-5151					
		1. ( -	,		· · · · · · · · · · · · · · · · · · ·			
Facility Repres	sentative(s):	T.J	. Turner.	General Fo	reman, 503-286-3681			
(Name, Title and Phone #)			Amos S. Kamerer, Plant Manager, 503-286-3681					

#### Overview of Facility

The permittee operates a coal tar pitch processing facility at 7540 NW Saint Helens Road in Portland. The facility receives; stores and transfers coal tar pitch primarily used in the primary aluminum production industry. The major emissions sources at this facility consist of combustion sources used to heat the coal tar pitch, and fumes from the storage transfer and processing of the pitch. The fumes are collected and routed to a fume control system.

NC approved on October 10, 2000, allows the permittee's request to upgrade the fume control system that includes the replacement of the existing fume control system with a new thermal oxidizer. The Department also approved the facility's request to delay installation of the thermal oxidizer because of the following reasons:

- A forecasted drastic decline in Koppers business due to shut down of it's aluminum customer's operations.
- A reduction in plant emissions as a result of reduction in process throughput.

FAX: 4/22/06 T. SelP(K-1800 3 PAGES • A recent modification to the operation of the fume recovery system reduces emissions further.

#### Process and Control Devices

• Existing air contaminant sources at the facility consist of the following:

Boiler, fired on natural gas or distillate oil, 21 MM BTU/hr input, 1965 Hot oil heater, fired on natural gas or oil, 8 MM BTU/hr input, 1990 Hot oil heater, fired on natural gas or oil, 10 MM BTU/hr input, 1999 Pitch/oil transfer system, 150,000 tons/year, 1965/modified in 1999 Fume recovery system 150,000 tons/year, 1987 Storage tank (T-200) and a fume combustion system, 2,100,000 gals, 1999 Storage tank 33 and 67, 45,000 &102,000 gals, 1942 &1947 Storage tank 66 and 101, 191,000 & 759,000 gal, 1947&1952 Storage tank 65 and 68, 761,000 & 248,000 gal, 1947 & 1927

#### Pre-inspection File Review

Review of the permit file showed the facility was inspected on 8/5/2002 and found to be in compliance with the permit conditions. The normal operating schedule for the equipment is  $24 \text{ hrs/day } \times 4 \text{ days/wk } \times 52 \text{ wks/yr} = 5976 \text{ hrs/yr}$ .

Normal annual fuel usage is 100,000 gallons of diesel oil and 184 million cubic feet of natural gas. The maximum hourly fuel burned is 150 gallons of diesel oil and/or 30,000 cubic feet of natural gas.

Throughput of pitch pencil is expected to be 100,000 tons per year and a maximum of 562 tons per hour.

#### Walk-through of Facility

The facility's production process starts up at 12:00 am and runs through 12:00 pm. The trucks are loaded between 5:00 am and 7:00 am; it and takes approximately 2 hours to load a truck. Ships are loaded about 3 times a year. The permittee put in the liquid system in 2001, the level of operation during the inspection was a normal operational day. The oxidizer was not installed as planned due to low production. The facility operates with 3 full time employees and 1 part time employee. Opacity readings are done regularly and kept on-site. The person who does the readings is certified.

The transfer system used to load trucks and ships is an enclosed system which does not allow product to be released into the atmosphere. The fume system is equipped with a mister that helps reduce the vapors that are released from the process of heating up the product prior to loading trucks. The fume system contains brushes that are inspected and maintained every 6 months. The tank has a heater plate that is located underneath the tank which heats up the product to a temperature above 70 degrees for transferring the product to trucks. The facility also has a boiler. The boiler is taken down and completely torn apart and inspected inside and out for corrosion and leaks on a yearly

• A recent modification to the operation of the fume recovery system reduces emissions further.

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basis. All equipment is maintained, logs are kept daily on-site for what was found during the inspection and repairs noted. The facility has a back up generator which contains diesel in a trailer, the permittee has the product pumped out by the 15<sup>th</sup> of March each year and refilled prior to the winter months. The back up generator is used if the facility loses power. The backup generator was not used this past winter.

The facility was noted to be very clean during the time of the inspection and no odors were observed during the visit.

The current permit was on-site and is reviewed by the staff on a regular basis. No complaints have been received by the facility for the permit period.

No future changes are anticipated at this time.

Compliance Status of Facility

Check one of the following:

X	Facility is in compliance with the permit conditions described above.
	Facility is not in compliance with one or more of the permit conditions described
	above (provide additional detail below).

cc: T.J. Turner
7540 NW Saint Helens Road
Portland Oregon 97201

EPA Region X
This report has been ICED.
DEQinspectionreport
tl, 4/06

#### DEQ INSPECTION REPORT Northwest Region – Air Quality Section

Facility Name	and Addres.		<b>Permit Number:</b> 26-2930				
Koppers Indust	ries Inc.						
Attn: Amos S.		County:					
7540 NW Saint	t Helens Roa	Multnomah					
Portland Orego		171001111111111111111111111111111111111					
				-1			
Inspection Date/Time:			on for	Regularl	y scheduled inspection	X	
2-28-2006 11:	Insp	ection:	Complaint follow-up				
		(chec	ck one)	Other (s)	pecify)		
			•				
	ACDP	X			FCE/PCE (specify)		
Permit Type:			Inspection	on Type:	State Inspection	X	
(check one)	Title V		(check to	vo)	Announced	X	
					Unannounced		
						//	
Inspector(s):		Tir	na Leppalu	oto, Natur	al Resource Specialist	_	
(Name, Title and Agency		DE	DEQ-NWR/AQ, Ed Druback, Northwest Region (503) 229-5151				
Air Quality Ma	1						
	***************************************		*********				

#### Overview of Facility

Facility Representative(s): (Name, Title and Phone #)

The permittee operates a coal tar pitch processing facility at 7540 NW Saint Helens Road in Portland. The facility receives; stores and transfers coal tar pitch primarily used in the primary aluminum production industry. The major emissions sources at this facility consist of combustion sources used to heat the coal tar pitch, and fumes from the storage transfer and processing of the pitch. The fumes are collected and routed to a fume control system.

T.J. Turner, General Foreman, 503-286-3681

Amos S. Kamerer, Plant Manager, 503-286-3681

NC approved on October 10, 2000, allows the permittee's request to upgrade the fume control system that includes the replacement of the existing fume control system with a new thermal oxidizer. The Department also approved the facility's request to delay installation of the thermal oxidizer because of the following reasons:

- A forecasted drastic decline in Koppers business due to shut down of it's aluminum customer's operations.
- A reduction in plant emissions as a result of reduction in process throughput.

• A recent modification to the operation of the fume recovery system reduces emissions further.

#### Process and Control Devices

• Existing air contaminant sources at the facility consist of the following:

Boiler, fired on natural gas or distillate oil, 21 MM BTU/hr input, 1965 Hot oil heater, fired on natural gas or oil, 8 MM BTU/hr input, 1990 Hot oil heater, fired on natural gas or oil, 10 MM BTU/hr input, 1999 Pitch/oil transfer system, 150,000 tons/year, 1965/modified in 1999 Fume recovery system 150,000 tons/year, 1987 Storage tank (T-200) and a fume combustion system, 2,100,000 gals, 1999 Storage tank 33 and 67, 45,000 &102,000 gals, 1942 &1947 Storage tank 66 and 101, 191,000 & 759,000 gal, 1947&1952 Storage tank 65 and 68, 761,000 & 248,000 gal, 1947 & 1927

#### Pre-inspection File Review

Review of the permit file showed the facility was inspected on 8/5/2002 and found to be in compliance with the permit conditions. The normal operating schedule for the equipment is  $24 \text{ hrs/day } \times 4 \text{ days/wk } \times 52 \text{ wks/yr} = 5976 \text{ hrs/yr}$ .

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#### Walk-through of Facility

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basis. All equipment is maintained, logs are kept daily on-site for what was found during the inspection and repairs noted. The facility has a back up generator which contains diesel in a trailer, the permittee has the product pumped out by the 15<sup>th</sup> of March each year and refilled prior to the winter months. The back up generator is used if the facility loses power. The backup generator was not used this past winter.

The facility was noted to be very clean during the time of the inspection and no odors were observed during the visit.

The current permit was on-site and is reviewed by the staff on a regular basis. No complaints have been received by the facility for the permit period.

No future changes are anticipated at this time.

Compliance Status of Facility

Check one of the following:

X	Facility is in compliance with the permit conditions described above.
	Facility is not in compliance with one or more of the permit conditions described
	above (provide additional detail below).

cc: T.J. Turner

7540 NW Saint Helens Road Portland Oregon 97201

EPA Region X
This report has been ICED.

DEQinspectionreport tl, 4/06

### Public Notice: Request for Comments

### Proposed Renewal of Koppers Industries, Inc. Air Contaminant Discharge Permit

Notice issued: October 17, 2002

Written comments regarding this proposed action may be submitted until due: 5 p.m., November 18, 2002

Permit Number: 26-2930

#### Permittee Address:

Koppers Industries, Inc. 436 Seventh Avenue, Suite 1800 Pittsburgh, PA 15219-1800

Where is the facility located? 7540 NW Saint Helens Road Portland, Oregon 97210-3663

### Where can I get more information and send comments?

The full context of the application, which may include voluminous printed material not readily duplicable, is available for public inspection Tuesday through Thursday by appointment at DEQ's Northwest Region Office. 2020 SW 4<sup>th</sup> Avenue, Suite 400 Portland, Oregon 97201 For a review appointment call (503) 229-5554

Upon request, a copy of the permit and review report is available.

### View the Proposed Permit and Review Report at:

Multnomah County Library Central Branch 801 S.W. 10<sup>th</sup> Avenue Portland, Oregon 97205 **DEQ accepts comments by mail, fax** and E-mail.

#### E-Mail Address:

blaine.catherine@deq.state.or.us (If there is a delay between servers and e-mails and the e-mails are not received before the deadline, they cannot be accepted) Fax: (503) 229-5265

#### **Mailing Address:**

AQ/NWR, Catherine Blaine, Permit Coordinator Department of Environmental Quality 2020 SW 4<sup>th</sup> Ave., Suite 400 Portland, OR 97201-4987

Permit Writer: Rose Lim Phone: (503) 229-6191

Toll free in Oregon (800) 452-4011

#### What is proposed?

This permit action is a renewal of an existing Air Contaminant Discharge Permit (ACDP). The old ACDP is being converted to a Simple ACDP in accordance with the rules adopted in May 2001. Koppers Industries, Inc. operates a coal tar processing facility at 7540 NW Saint Helens Road, Portland. The facility receives stores and transfers coal tar pitch primarily used in the aluminum production industry. The major emissions sources at this facility consist of combustion sources used to heat the coal tar pitch, and fumes from the storage transfer and processing of the pitch. The fumes are collected and routed to a fume control system.

**Plant Site Emissions:** Proposed PSEL information:

Pollutant Proposed Previous Generic **PSEL** PSEL. (ton/yr) (tons/yr) Levels SO<sub>2</sub> 22 39 NOx 28 39 39 CO 99 99 VOC 20.4 39



State of Oregon
Department of
Environmental
Quality

Northwest Region Air Quality Section 2020 SW 4<sup>th</sup> Ave. Portland, OR 97201 (503) 229-5554 1-800-452-4011 Fax: (503) 229-5265

www.deq.state.or.us

Proposed Plant Site Emission Limits: The PSELs for PM, CO, and VOC are higher than the PSELs in the previous permit. This is due solely to the implementation of new Department rules that do not support PSELs less than the "generic PSEL" levels. The generic PSEL levels are equal the Significant Emission Rate minus 1 ton per 12 month period, for each pollutant.

Compliance: The facility was inspected on 08/05/2002 and was found to be in compliance with permit conditions. During the permit period there were no complaints recorded for this facility. No enforcement actions have been taken against this source since the last permit renewal.

### What other DEQ permits are required?

The Department has issued a water quality permit to this facility, NPDES 100419. The site includes 25 tanks for the collection and storage of storm water.

Hazardous Air Pollutants: This facility is not currently subject to any specific Federal National Emissions Standard for Hazardous Air Pollutants.

#### **Attainment Status:**

The permittee is located in a maintenance area for ozone and carbon monoxide. Two contributors to ozone, nitrogen oxides (NO<sub>x</sub>) and volatile organic compounds (VOC), are regulated pollutants. The facility is an insignificant source of CO, NO<sub>x</sub> and VOC. The area is in attainment for all other pollutants.

Accessibility information: DEQ is committed to accommodating people with disabilities at our hearings. Please notify DEQ of any special physical or language accommodations or if you need information in large print, Braille or another format. To make these arrangements, contact DEQ Public Affairs at (503) 229-5696 or toll free in Oregon at (800) 452-4011. People with hearing impairments may call DEQ's TTY number, (503) 229-5471

What are DEQ's responsibilities?

The DEQ is the regulatory agency that helps protect and preserve Oregon's environment. DEQ is responsible for protecting and enhancing Oregon's water and air quality, for cleaning up spills and releases of hazardous materials, and for managing the proper disposal of hazardous and solid wastes. One way DEQ does this is by requiring permits for certain activities. The purpose of this notice is to invite you to submit written comments on this proposed permit.

#### Who is affected?

Property owners and residents in the vicinity of the facility.

What happens next?

DEQ will review and consider all comments received during the comment period. Following this review, DEQ may modify and issue the permit.

#### **GLOSSARY**

CO (Carbon Monoxide) — An invisible gas, usually formed as a product of combustion. CO is considered a pollutant because it has adverse health effects.

NO<sub>x</sub> (Nitrogen Oxides) -- A brown-colored, toxic gas, usually formed during high temperature combustion processes. NO<sub>x</sub> is considered a pollutant because it contributes to the formation of ozone and acid rain.

VOC (Volatile Organic Compounds) -

- Organic chemicals containing carbon which, when vaporized, combine with  $NO_X$ , in the presence of sunlight to form ozone.

SO<sub>2</sub>- (Sulfur Dioxide) An invisible gas with a pungent odor, formed by burning fossil fuel which contains sulfur. SO<sub>2</sub> is considered a pollutant because it can form particles that decrease visibility, and because large amounts of it can cause acid rain.

Page 1 of 7

## Department of Environmental Quality Northwest Region Air Quality Program

# Simple AIR CONTAMINANT DISCHARGE PERMIT REVIEW REPORT

Koppers Industries, Inc. 7540 N.W. Saint Helens Road Portland, OR 97210-3663 (503) 286-368`

Source	Compl			ort		Exc	cess							Public
Test	Sched	Α	S	Q	M	R	N	NSR	PSD	RACT	NSPS	NESHAP	Size	Notice
		X					X						SI	II

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PERMITTING	2
SOURCE DESCRIPTION	2
COMPLIANCE	3
EMISSIONS	4
MAJOR SOURCE APPLICABILITY	5
ADDITIONAL REQUIREMENTS	6
PUBLIC NOTICE	7

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#### **PERMITTING**

#### PERMITTING ACTION

1. The permit is a renewal for an existing Air Contaminant Discharge Permit (ACDP) which was issued on June 1, 1999 and was originally scheduled to expire on September 1, 2002. The old ACDP is being converted to a Simple ACDP in accordance with the rules adopted in May 2001.

#### **OTHER PERMITS**

- 2. The Department has issued a water quality permit to this facility, NPDES 100419. The plant site includes 25 tanks for the collection and storage of storm water.
- 3. A Land Use Compatibility Statement signed by the City of Portland on September 15, 1997 granted unconditional approval.

#### **ATTAINMENT STATUS**

- 4. The facility is located in a maintenance area for carbon monoxide and ozone. Two contributors to ozone, nitrogen oxides (NO<sub>x</sub>) and volatile organic compounds (VOC), are regulated pollutants.
- 5. The facility is an insignificant source of CO,  $NO_x$ , and VOC. The area is an attainment for all other pollutants.

#### SOURCE DESCRIPTION

#### **OVERVIEW**

- 6. Koppers Industries, Inc., operates a coal tar pitch processing facility at 7540 NW Saint Helens Road, Portland. The facility receives, stores, and transfers coal tar pitch primarily used in the primary aluminum production industry. The major emissions sources at this facility consist of combustion sources used to heat the coal tar pitch, and fumes from the storage transfer and processing of the pitch. The fumes are collected and routed to a fume control system.
- 7. Notice of Construction (NC. No. 018175) approved on Oct. 10, 2000, allows the permittee's request to upgrade the fume control system that includes the replacement of the existing fume control system with a new thermal oxidizer. The Department also approved the facility's request to delay installation of the thermal oxidizer because of the following reasons:
  - a. The current and foreseeable drastic decline in Koppers' business due to shut down

Page 3 of 7

of the aluminum customers operations.

- b. The reduction in emissions from permitted quantities from the operating schedule changes, as a result of the reduction in throughput.
- c. A recent modification to the operation of the fume recovery system reduces emissions further.
- 8. No changes have been made to the facility since the last permit renewal.
- 9. Current rules do not require short term plant site emission. This requirement has been deleted.
- 10. Baseline was reviewed and frozen according to OAR 340-200-0020(71)(a).

#### PROCESS AND CONTROL DEVICES

11. Existing air contaminant sources at the facility consist of the following:

Equipment	Manufacturer	Capacity/Rate	Installed/Modified
Boiler, fired on natural gas or distillate oil	N. American	21 MM BTU/hr input	1965
Hot oil heater, fired on natural gas or oil	N. American	8 MM BTU/hr input	1990
Hotoil heater, fired on natural gas or oil	N. American	10 MM BTU/hr input	1999
Pitch /oil transfer system	N/A	150,000 ton/year	1965 modified in 1999
Fumer recovery system with scrubber	N/A	150,000 ton/year	1987
Storage tank (T-200) and a fume combustion system (ref. NC #018175)	N/A	2,100,000 gals	1999
Storage Tank 33 and 67	N/A	45,000 & 102,000 gals	1942 & 1947
Storage Tank 66 and 101	N/A	191,000 & 759,000 gals	1947 & 1952
Storage Tank 65 and 68	N/A	761,000 & 248,000 gals	1947 & 1927

#### COMPLIANCE

- 12. The facility was inspected on 08/05/2002 and found to be in compliance with permit conditions.
- 13. During the prior permit period there were no complaints recorded for this facility.
- 14. No enforcement actions have been taken against this source since the last permit renewal.

Page 4 of 7

#### **EMISSIONS**

#### 15. Proposed PSEL information:

Pollutant	*Baseline Emission	Plant Site	Emission Li	mit (tons/yr)	Increase Over Baseline	SER	
	Rate (tons/yr)	Previous PSEL (tons/yr)	Proposed PSEL (tons/yr)	Increase Over Existing Permit (tons/yr)	(tons.yr)		
SO <sub>2</sub>	0	22	39	17	39	40	
NO <sub>x</sub>	0	28	39	11	39	40	
CO	0	7	99	92	99	100	
VOC	0	20	39	19	39	40	

<sup>\*</sup>Netting basis is the same as baseline for this source.

- a. The proposed PSELs for all pollutants are equal to the Generic PSEL in accordance with OAR 340-216-0064(4)(b) and the netting basis is zero in accordance with OAR 340-222-0040(2).
- b. Emissions of PM and PM<sub>10</sub> are less than one ton per year. For the original permit, PM and PM<sub>10</sub> are considered negligible. PM and PM<sub>10</sub> are not included in the Plant Site Emission Limit as shown above.
- c. The facility was in operation during the baseline years. Baseline year information has not been provided, however, so baseline emission rates have not been established.
- d. Baseline emissions rate for this facility is zero and are now frozen per OAR 340-200-0020(71)(a).
- e. The PSEL is a federally enforceable limit on the potential to emit.
- 16. The normal operating schedule for the equipment is 24 hrs/day x 4 days/wk x 52 wks/yr less 11 holidays = 5976 hrs/yr.
- 17. Normal annual fuel usage is 100,000 gallons of diesel oil and 184 million cubic feet of natural gas. Maximum hourly fuel burned is 150 gallons of diesel oil and/or 30,000 cubic feet of natural gas.
- 18. Throughput of pitch pencil is expected to be 100,000 tons per year and a maximum of 562 tons per hour.

#### SIGNIFICANT EMISSION RATE ANALYSIS

19. The proposed Plant Site Emissions Limit is less than the Netting Basis plus the

Page 5 of 7

significant emission rate, thus no further air quality analysis is required.

#### MAJOR SOURCE APPLICABILITY

#### CRITERIA POLLUTANTS

20. A major source is a facility that has the potential to emit more than 100 tons per year of any criteria pollutant. This facility is not a major source of criteria pollutant emissions.

Plant Wide Potential to Emit:

POLLUTANT	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
Boiler	11.31	12.52	3.13	0.25
Hot Oil	4.60	3.97	.88	0.19
Heater*(back up				
unit)				
Fume Recovery				18.11
System				
Tank 33				0.016
Tank 67				0.006
Fugitives				0.568
New Hot Oil	5.34	5.96	1.49	0.12
Heater				
T-200, T-65,				**See
& T-68* *				Note
T-66 and T-101***				***See
		<u> </u>		Note
TOTAL	21.25	22.45	5.50	19.26

#### Notes:

#### **HAZARDOUS AIR POLLUTANTS**

21. A major source is a facility that has the potential to emit more than 10 tons/year of any single HAP or 25 tons/year of combined HAPs. This source is not a major source of hazardous air pollutants.

<sup>\*</sup>Via a prior notification to the Department that this is not a back up unit.

<sup>\*\*</sup> VOC Emissions from T-200, T-65, and T-68 are included in the fume recovery system emissions.

<sup>\*\*\*</sup>T-66 and T-101 contained solid coal tar residue. The VOC emission is insignificant.

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Hazardous Air Pollutant	Potential to Emit (tons/year)
Naphthalene	2
Quinoline	0.13
Biphenyl	0.16
Dibenzofuran	1
Total	3

22. The source PTE has less than 80% of the threshold values for Title V for criteria pollutant, and less than 80% of the threshold values for Title III for single HAPs and combined HAPs, therefore, full compliance evaluation (FCE) is not required.

#### **ADDITIONAL REQUIREMENTS**

#### NSPS APPLICABILITY

23. There are no sources at this facility for which NSPS standards have been promulgated.

#### NSR/PSD APPLICABILITY

- 24. This source is not subject to federal regulations for New Source Review (NSR) or further air quality analysis.
- 25. This source is not subject to federal regulations for Prevention of Significant Deterioration (PSD).

#### NESHAPS/MACT APPLICABILITY

26. There are no sources at this facility for which NESHAPS/MACT standards have been promulgated.

#### RACT APPLICABILITY

27. The facility is located in the Portland AQMA, but it is not one of the listed source categories in OAR 340-232-0010, thus the RACT rules do not apply.

#### TACT APPLICABILITY

28. The source is meeting the states TACT/Highest and Best Rules by conducting the following activities:

Page 7 of 7

- a. A change in the wash fluid used in the fume recovery unit from heavy oil to water.
- b. The plant is now operating 5 days per week and dependent on business conditions this could change again, at some time in the future.
- c. The fume recovery unit only operates during hours needed thus reduces emission further.
- d. The installation of the thermal oxidizer once the business level reaches 75% of the original projected level based on the through put or until monthly through put reaches 5000 tons per month for three consecutive months.

#### **PUBLIC NOTICE**

29. Pursuant to OAR 340-216-0064(5)(a), renewals of Simple Air Contaminant Discharge Permits require public notice in accordance with OAR 340-209-0030(3)(b). Therefore, the proposed permit will be placed on public notice from \_\_\_\_\_\_ to \_\_\_\_\_\_.

POLLUTANT	PREVIOUS PSEL (tons/yr)	PROPOSED PSEL (tons/yr)	ESTIMATED ACTUAL EMISSIONS (tons/yr)
SO <sub>2</sub>	22	39	0.02
NO <sub>x</sub>	28	39	1
CO	7	99	0.51
VOC	20	39	1.13

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## SIMPLE AIR CONTAMINANT DISCHARGE PERMIT

Department of Environmental Quality
Northwest Region
2020 SW 4th Avenue, #400
Portland, Oregon 97201
(503) 229-5554

This permit is being issued in accordance with the provisions of ORS 468A.040 and based on the land use compatibility findings included in the permit record.

ISSUED TO:	INFORMATION RELIED UPON:
Koppers Industries, Inc. 7540 NW Saint Helens Road Portland, OR 97210-3663	Application No.: 0020276 Date Received: 06/27/2002
PLANT SITE LOCATION:	LAND USE COMPATIBILITY FINDING:
7540 NW Saint Helens Road Portland, OR 97210-3663	Approving Authority: City of Portland Approval Date: 09/15/1997

#### ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

Audrey O'Brien, Northwest Region Air Quality Manager	Dated

Source(s) Permitted to Discharge Air Contaminants (OAR 340-216-0020):

Table 1 Code	Source Description	SIC
Part B, #75	All Other Sources not listed in Part B (Coal tar pitch	2865
	processing facility)	

Permit Number: 26-2930 Expiration Date: 09/01/2007 Page 2 of 13

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#### 1.0 GENERAL EMISSION STANDARDS AND LIMITS

#### 1.1 Visible Emissions

The permittee must comply with the following visible emission limits, as applicable:

- a. Emissions from any air contaminant source installed on or before June 1, 1970 must not exceed an opacity equal to or greater than 40% for a period aggregating more than 3 minutes in any one hour.
- b. Emissions from any air contaminant source installed, constructed, or modified after June 1, 1970 must not exceed an opacity equal to or greater than 20% for a period aggregating more than 3 minutes in any one hour.
- c. Emissions from any air contaminant source other than fuel burning equipment must not exceed an opacity equal to or greater than 20% for a period aggregating more than 30 seconds in any one hour.

### 1.2. Particulate Matter Emissions

The permittee must comply with the following particulate matter emission limits, as applicable:

- a. Particulate matter emissions from any fuel burning equipment installed on or before June 1, 1970 must not exceed 0.2 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air.
- b. Particulate matter emissions from any burning equipment installed, constructed, or modified after June 1, 1970 must not exceed 0.1 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air.
- c. Particulate matter emissions from fuel burning equipment must not exceed:
  - i. 0.2 grains per dry standard cubic foot corrected to 12% CO<sub>2</sub> when using wood residue in equipment that existed before April 7, 1978;
  - ii. 0.1 grains per dry standard cubic foot corrected to 12% CO<sub>2</sub> when using wood residue in equipment that did not exist before April 7, 1978; or
  - iii. The emission rate shown in Figure 1 of OAR 340-208-0610 as a function of the maximum heat input when using all other fuels, except natural gas and LPG.
- d. Particulate matter emissions from any air contaminant source installed on or before June 1, 1970 other than fuel

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burning equipment and fugitive emission sources must not exceed 0.2 grains per standard cubic foot.

- e. Particulate matter emissions from any air contaminant source installed, constructed, or modified after June 1, 1970 other than fuel burning equipment and fugitive emission sources must not exceed 0.1 grains per standard cubic foot.
- f. Non-fugitive particulate matter emissions from any process must not exceed the amount shown in Table 1 of OAR 340-226-0310 for the process weight allocated to such a process.

### 1.3. Fugitive Emissions

The permittee must take reasonable precautions to prevent fugitive dust emissions by:.

- a. Treating vehicular traffic areas of the plant site under the control of the permittee.
- b. Operating all air contaminant-generating processes so that fugitive type dust associated with the operation will be adequately controlled at all times.
- c. Storing collected materials from air pollution control equipment in a covered container or other method equally effective in preventing the material from becoming airborne during storage and transfer.

### 1.4. Particulate Matter Fallout

The permittee must not cause or permit the emission of any particulate matter larger than 250 microns in size at sufficient duration or quantity, as to create an observable deposition upon the real property of another person. The Department will verify that the deposition exists and will notify the permittee that the deposition must be controlled.

### 1.5. Nuisance and Odors

The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by Department personnel.

### 1.6. Fuels and Fuel Sulfur Content

The permittee must not use any fuel other than natural gas, propane, butane, ASTM grade fuel oils, or on-specification used oil.

- a. Fuel oils must not contain more than:
  - i. 0.3% sulfur by weight for ASTM Grade 1 distillate oil;
  - ii. 0.5% sulfur by weight for ASTM Grade 2 distillate oil;

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- iii. 1.75% sulfur by weight for residual oil;
- b. The permittee is allowed to use on-specification used oil as fuel which contains no more than 0.5% sulfur by weight. The permittee must obtain analyses from the marketer or, if generated on site, have the used oil analyzed, so that it can be demonstrated that each shipment of oil does not exceed the used oil specifications contained in 40 CFR Part 279.11, Table 1.

#### 2.0 OPERATION AND MAINTENANCE REQUIREMENTS

#### 2.1. Work practices

- a. The permittee shall at all times maintain and operate all air contaminant generating processes and all air contaminant control equipment at full efficiency and effectiveness, such that the emission of air contaminant are kept at the lowest practicable levels.
- b. A maintenance service must be performed on the boiler at least once every two years. As a minimum, the service must include an inspection of the burners and refractory chamber, cleaning adjustment, and repair as necessary. Records of the service shall be maintained on site for a period of two (2) years and for Department's inspection.

#### 3.0 PLANT SITE EMISSION LIMITS

## 3.1. Plant Site Emission Limits (PSEL)

Plant site emissions must not exceed the following:

Pollutant	Limit	Units
SO <sub>2</sub>	39	tons per year
NO <sub>X</sub>	39	tons per year
CO	99	tons per year
VOC	39	tons per year

#### 3.2. Annual Period

The annual plant site emissions limits apply to any 12-consecutive calendar month period.

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#### 4.0 COMPLIANCE DEMONSTRATION

### 4.1. Monitoring Requirements

The permittee must monitor the operation and maintenance of the plant and associated air contaminant control devices as follows:

- a. All operating and production parameters to be reported to the Department annually as required in Condition 6.0.
- b. Excess emission (recorded on occurrence)
- c. A description of any maintenance to the air contaminant control system (recorded on occurrence)

### 4.2. PSEL Compliance Monitoring

Compliance with the PSEL is determined for each 12-consecutive calendar month period based on the following calculation for each pollutant:

E =  $\Sigma(EF \times P)/2000 \text{ lbs}$ 

where,

E = pollutant emissions (ton/yr);

EF = pollutant emission factor (see condition 0); P = process production (see condition 11.0)

#### 4.3. Emission Factors

The permittee must use the default emission factors provided in condition 0 for calculating pollutant emissions, unless alternative emission factors are approved by the Department. The permittee may request or the Department may require using alternative emission factors provided they are based on actual test data or other documentation (e.g., AP-42 compilation of emission factors) that has been reviewed and approved by the Department.

### 4.4. Mass Balance with controls

Annual VOC emissions for each 12 consecutive calendar month period are calculated by the following formula:

Total VOC = [1.37(lb/operating hours) + 2.8 (lb/MMCF of natural gas) + 0.2 (lb/1000 gals distillate)] ÷ 1ton/2000 lbs

#### 5.0 RECORDKEEPING REQUIREMENTS

### 5.1. Operation and Maintenance

The permittee must maintain the following records related to the operation and maintenance of the plant and associated air contaminant control devices:

Page 7 of 13

a. All operating and production parameters to be reported to the Department annually as required in Condition 6.0.

b. Maintenance service record performed on the boiler.

#### 5.2. Excess Emissions

The permittee must maintain records of excess emissions as defined in OAR 340-214-0300 through 340-214-0340 (recorded on occurrence). Typically, excess emissions are caused by process upsets, startups, shutdowns, or scheduled maintenance. In many cases, excess emissions are evident when visible emissions are greater than 20% opacity for 3 minutes or more in any 60-minute period.

#### 5.3. Complaint Log

The permittee must maintain a log of all written complaints and complaints received via telephone that specifically refer to air pollution concerns associated to the permitted facility. The log must include a record of the permittee's actions to investigate the validity of each complaint and a record of actions taken for complaint resolution.

### 5.4. Retention of Records

Unless otherwise specified, all records must be maintained on site for a period of two (2) years and made available to the Department upon request.

#### 6.0 REPORTING REQUIREMENTS

#### 6.1. Excess Emissions

The permittee must notify the Department by telephone or in person of any excess emissions which are of a nature that could endanger public health.

- a. Such notice must be provided as soon as possible, but never more than one hour after becoming aware of the problem. Notice must be made to the regional office identified in Condition 7.3.
- b. If the excess emissions occur during non-business hours, the permittee must notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.
- c. The permittee must also submit follow-up reports when required by the Department.

#### 6.2. Annual Report

For each year this permit is in effect, the permittee must submit to the Department by **February 15** two (2) copies of the following information for the previous calendar year:

a. Operating parameters:

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i. Annual throughput of coal tar pitch

- ii. Annual throughput of heavy oil
- iii. Total boiler operating time (hours/year)
- iv. Total hot oil heater operating time (hours/year)
- v. Highest sulfur content oil burned (obtained from supplier)
- vi. Types and quantities of fuels burned (gallons or MMCE)
- vii. Average plant operating schedule (hours/day, days/week, weeks/year)
- b. Computations of total VOC and HAPs emissions for any 12 consecutive months period.
- c. Records of all planned and unplanned excess emissions events.
- d. Summary of complaints relating to air quality received by permittee during the year.
- e. List permanent changes made in plant process, production levels, and pollution control equipment which affected air contaminant emissions.
- f. List major maintenance performed on pollution control equipment.

### 6.3. Initial Startup Notice

The permittee must notify the Department in writing of the date a new facility is started up. The notification must be submitted no later than seven (7) days after startup.

#### 6.4. Relocation Notice

The permittee must not install or operate the facility or any portion of the facility at any new site without first providing written notice to the Permit Coordinator in the appropriate regional office. The written notice must include the date of the proposed move, approximate dates of operation, a detailed map showing access to the new site, and a description of the air pollution controls and procedures to be installed, operated, and practiced at the new site. Additional permits may be required if the permittee operates individual components of the facility at more than one site at a time.

## 6.5. Notice of Change of Ownership or Company Name

The permittee must notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:

Page 9 of 13

a. Legal change of the name of the company as registered with the Corporations Division of the State of Oregon; or

b. Sale or exchange of the activity or facility.

## 6.6. Construction or Modification Notices

The permittee must notify the Department in writing using a Departmental "Notice of Construction Form," or "Permit Application Form," and obtain approval in accordance with OAR 340-210-0205 through 340-210-0250 before:

- a. Constructing, installing, or establishing a new stationary source that will cause an increase in any regulated pollutant emissions;
- b. Making any physical change or change in operation of an existing stationary source that will cause an increase, on an hourly basis at full production, in any regulated pollutant emissions; or
- c. Constructing or modifying any air pollution control equipment.

## 6.7. Where to Send Reports and Notices

The reports, with the permit number prominently displayed, must be sent to the Permit Coordinator for the region where the source is located as identified in Condition 7.3.

#### 7.0 ADMINISTRATIVE REQUIREMENTS

### 7.1. Permit Renewal Application

The completed application package for renewal of this permit is due on July 1, 2007. Two (2) copies of the application must be submitted to the DEQ Permit Coordinator listed in condition 7.3

### 7.2. Permit Modifications

Application for a modification of this permit must be submitted not less than 60 days prior to the source modification. A special activity fee must be submitted with an application for the permit modification. The fees and two (2) copies of the application must be submitted to the Business Office of the Department.

## 7.3. Permit Coordinator Address

All reports, notices, and applications should be directed to the Permit Coordinator for the area where the source is located. The Permit Coordinator addresses are as follows:

Department of Environmental Quality Northwest Region 2020 SW 4th Avenue, Suite 400 Portland, OR 97201-4987

Telephone: (503) 229-5582

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### 7.4. Department Contacts

Information about air quality permits and the Department's regulations may be obtained from the DEQ web page at <a href="https://www.deq.state.or.us">www.deq.state.or.us</a>. All inquiries about this permit should be directed to the regional office for the area where the source is located. The Department's regional offices are as follows:

Department of Environmental Quality Portland Office 2020 SW 4th Avenue, Suite 400 Portland, OR 97201-4987 Telephone: (503) 229-5554

#### 8.0 FEES

### 8.1. Annual Compliance Fee

The Annual Fee specified in OAR 340-216-0020, Table 2, Part 2 for a Simple ACDP is due on **December 1** of each year this permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date.

# 8.2. Change of Ownership or Company Name Fee

The non-technical permit modification fee specified in OAR 340-216-0020, Table 2, Part 3(a) is due with an application for changing the ownership or the name of the company.

### 8.3. Special Activity Fees

The special activity fees specified in OAR 340-216-0020, Table 2, Part 3 (b through i) are due with an application to modify the permit.

### 8.4. Where to Submit Fees

Fees must be submitted to:

Department of Environmental Quality Business Office 811 SW Sixth Avenue Portland, Oregon 97204-1390

#### 9.0 GENERAL CONDITIONS AND DISCLAIMERS

### 9.1. Permitted Activities

This permit allows the permittee to discharge air contaminants from processes and activities related to the air contaminant source(s) listed on the first page of this permit until this permit expires, is modified, or is revoked.

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9.2.	Other Regulations	In addition to the specific requirements listed in this permit, the permittee must comply with all other legal requirements enforceable by the Department.
9.3.	Conflicting Conditions	In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.
9.4.	Masking of Emissions	The permittee must not cause or permit the installation of any device or use any means designed to mask the emissions of an air contaminant that causes or is likely to cause detriment to health, safety, or welfare of any person or otherwise violate any other regulation or requirement.
9.5.	Department Access	The permittee must allow the Department's representatives access to the plant site and pertinent records at all reasonable times for the purposes of performing inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emissions discharge records and conducting all necessary functions related to this permit in accordance with ORS 468-095.
9.6.	Permit Availability	The permittee must have a copy of the permit available at the facility at all times.
9.7.	Open Burning	The permittee may not conduct any open burning except as allowed by OAR 340 Division 264.
9.8.	Asbestos	The permittee must comply with the asbestos abatement requirements in OAR 340, Division 248 for all activities involving asbestos-containing materials, including, but not limit to, demolition, renovation, repair, construction, and maintenance.
9.9.	Property Rights	The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
9.10.	Termination, Revocation, or Modification	The Department may modify or revoke this permit pursuant to OAR 340-216-0082 and 340-216-0084.

Permit Number: 26-2930 Expiration Date: 09/01/2007 Page 12 of 13

#### **10.0 EMISSION FACTORS**

Emissions device or activity	Pollutant	Emission Factor (EF)	EF units	EF reference
Fuel Combustion:				
a) Oil, Distillate	SO <sub>2</sub>	71	lb/1,000 gal	DEQ Emission Factor
	NO <sub>x</sub>	20	lb/1,000 gal	DEQ Emission Factor
	СО	5	lb/1,000 gal	DEQ Emission Factor
	VOC	0.2	Lb/1,000 gal	DEQ Emission Factor
b) Natural gas	SO <sub>2</sub>	2.6	lb/MMCF	DEQ Emission Factor
	NO <sub>x</sub>	140	lb/MMCF	DEQ Emission Factor
	СО	35	lb/MMCF	DEQ Emission Factor
	VOC	2.8	lb/MMCF	DEQ Emission Factor
Fume Recovery System	VOC	1.37	lb/hr	Emission calculated using ChemCAD

### 11.0 PROCESS/PRODUCTION RECORDS

Emissions device or activity	Process or production parameter	Frequency
Operating hours	Hours/yr	Once a month
Fuel usage: a) oil	Gallons/hour	Once a month
b) natural gas	MM cubic feet/hour	Once a month
VOC emissions	Gallons/hour	Once a month

Permit Number: 26-2930 Expiration Date: 09/01/2007 Page 13 of 13

### 12.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS

ACDP	Air Contaminant Discharge	NSR	New Source Review	
	Permit	$O_2$	oxygen	
ASTM	American Society for Testing and Materials	OAR	Oregon Administrative Rules	
AQMA	Air Quality Maintenance Area	ORS	Oregon Revised Statutes	
calendar	The 12-month period	O&M	operation and maintenance	
year	beginning January 1st and ending December 31st	Pb	lead	
		PCD	pollution control device	
CFR	Code of Federal Regulations	PM	particulate matter	
CO	carbon monoxide	$PM_{10}$	particulate matter less than 10 microns in size	
DEQ	Oregon Department of			
	Environmental Quality	ppm	part per million	
dscf	dry standard cubic foot	PSD	Prevention of Significant	
EPA	US Environmental Protection		Deterioration	
DC 4 4	Agency	PSEL	Plant Site Emission Limit	
FCAA	Federal Clean Air Act	PTE	Potential to Emit	
gal	gallon(s)	RACT	Reasonably Available Control	
gr/dscf	grains per dry standard cubic foot		Technology	
TIAD	Hazardous Air Pollutant as defined by OAR 340-244-	scf	standard cubic foot	
НАР		SER	Significant Emission Rate	
•	0040	SIC	Standard Industrial Code	
I&M	inspection and maintenance	SIP	State Implementation Plan	
lb	pound(s)	$SO_2$	sulfur dioxide	
MMBtu	million British thermal units	Special Control Area	as defined in OAR 340-204- 0070	
NA	not applicable			
NESHAP	National Emissions Standards for Hazardous Air Pollutants	VE	visible emissions	
$NO_X$	nitrogen oxides	VOC	volatile organic compound	
NSPS	New Source Performance Standard	year	A period consisting of any 12-consecutive calendar months	



Department of Environmental Quality

Northwest Region Portland Office

2020 SW 4<sup>th</sup> Avenue, Suite 400 Portland, OR 97201-4987 (503) 229-5263 FAX (503) 229-6945 TTY (503) 229-5471

MAY 0 2 2003

Koppers Inc. Attn: Amos Kamerer 7540 NW Saint Helens Road Portland, Oregon 97210

Portland Plant
CONTROLLED DOCUMENT
Date: /// 5/6/03
Signature: ///

Re:

Air Contaminant Discharge Permit

Addendum No. 020599 Permit # 26-2930

The enclosed permit addendum revises your permit referenced above. This addendum includes a change of name from Koppers Industries, Inc. to Koppers Inc.

This addendum became effective the date it was signed by the Regional Air Quality Manager. Should you disagree with the content of the addendum, you may make appeal to the Environmental Quality Commission, or its representative, within the next twenty days. Appeals are pursuant to ORS (Oregon Revised Statute) Chapter 183 and OAR (Oregon Administrative Rule). Appeal procedures are contained in OAR Division 11-005 through 11-140. The enclosed addendum is issued pursuant to ORS 468A and OAR 340-216-010.

A copy of the current permit <u>must</u> be available at the facility at all times (Condition G2). Failure to comply with permit conditions may result in a civil penalty. <u>You are expected to read the permit carefully and comply with all conditions</u> to protect the environment of Oregon.

Questions or comments should be directed to Rose Lim at (503) 229-6191.

Sincerely,

Ed Druback

Air Quality Manager

Northwest Region

EJD: cab

Enclosure

Cc: Michelle Butler/AQ

Rindy Ramos/EPA - Region X

RSL/NWR

RECEIVED

MAY 6 2003

KOPPERS INDS, INC. PORTLAND OR

# SIMPLE AIR CONTAMINANT DISCHARGE PERMIT

Department of Environmental Quality Northwest Region 2020 SW 4th Avenue, #400 Portland, Oregon 97201 (503) 229-5554

This permit is being issued in accordance with the provisions of ORS 468A.040 and based on the land use compatibility findings included in the permit record.

ISSUED TO: INFORMATION RELIED UPON:

Koppers Inc. Application No.:

020599 Date Received: 7540 NW Saint Helens Road 04/16/2003

Portland, Oregon 97210-3660

PLANT SITE LOCATION: LAND USE COMPATIBILITY FINDING:

7540 NW Saint Helens Road Approving Authority: City of Portland Portland, Oregon Approval Date: 09/15/1997

PERMIT PREVIOUSLY ISSUED TO:

Koppers Industries, Inc.

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

MAY 0 2 2003 Ed Druback, Northwest Region Air Quality Manager Dated

Source(s) Permitted to Discharge Air Contaminants (OAR 340-216-0020):

#### Addendum Number A

In accordance with OAR 340-216-0040, Air Contaminant Discharge Permit No. 26-2930 is now issued to: Koppers Inc.





# Department of Environmental Quality

Northwest Region Portland Office Air Quality Program

2020 SW 4<sup>th</sup> Avenue, Suite 400 Portland, OR 97201-4987 (503) 229-5554

FAX (503) 229-5265 TTY (503) 229-5471

Amos Kamerer Koppers Industries, Inc. 7540 NW St. Helens Road Portland, Oregon 97210



Re:

Renewal of Air Contaminant Discharge

Permit #26-2930 Koppers Industries, Inc.

The Department of Environmental Quality has completed processing your renewal application for an Air Contaminant Discharge Permit. Based on the material contained in the renewal application and any comments received during the recent public notice period, we have issued the enclosed permit.

The effective date of the permit is the date it was signed by the regional Air Quality Manager. The signature and date appear on the first page of the document. The permit is issued pursuant to Oregon Revised Statutes 468A and Oregon Administrative Rules (OAR) 340-14-005 through 340-14-050, and 216-0010 through 216-0100.

You may appeal conditions or limitations contained in the attached permit by applying to the Environmental Quality Commission, or its authorized representative, within twenty days from the date of this letter. Appeals are pursuant to ORS Chapter 183 and OAR Chapter 340, Division 14-025(6). Appeal procedures are contained in OAR Division 11-005 through 11-140.

A copy of the current permit must be available at the facility at all times. Failure to comply with permit conditions may result in civil penalties. You are expected to read the permit carefully and comply with all conditions to protect the environment of Oregon.

If you have any questions, please contact Rose Lim at (503) 229-6191.

Sincerely,

Ed Druback Air Quality Manager Northwest Region

RL/EJD: cab Enclosure

Cc: Michelle Butler/AQ

Rindy Ramos - Region X

**RL/NWR** 

Koppers Industries

436 Seventh Avenue, #1800

Pittsburgh, PA 15219

CC: T. Self, K-1800

B. BAUMAN, StreENey

Permit Number: 26-2930

Expiration Date: 09/01/2007

Page 1 of 13

# SIMPLE AIR CONTAMINANT DISCHARGE PERMIT

Department of Environmental Quality Northwest Region 2020 SW 4th Avenue, #400 Portland, Oregon 97201 (503) 229-5554

This permit is being issued in accordance with the provisions of ORS 468A.040 and based on the land use compatibility findings included in the permit record.

ISSUED TO: INFORMATION RELIED UPON:

Koppers Industries, Inc. 7540 NW Saint Helens Road Portland, OR 97210-3663

Application No.:

0020276

Date Received:

06/27/2002

PLANT SITE LOCATION:

LAND USE COMPATIBILITY FINDING:

7540 NW Saint Helens Road Portland, OR 97210-3663

Approving Authority: City of Portland

Approval Date:

09/15/1997

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

NOV 2 7 2002

Ed Druback, Air Quality Manager

Dated

Source(s) Permitted to Discharge Air Contaminants (OAR 340-216-0020):

Table 1 Code	Source Description	SIC
Part B, #75	All Other Sources not listed in Part B (Coal tar pitch	2865
	processing facility)	



#### Department of Environmental Quality

April 20, 2000

Northwest Region 2020 SW Fourth Avenue Suite 400 Portland, OR 97201-4987 (503) 229-5263 Voice TTY (503) 229-5471

KOPPERS INDUSTRIES INC. 7540 NW ST HELENS ROAD PORTLAND OR 97210

Re:

AQ - Multnomah Co.

Koppers Industries Inc.

File No. 26-2930 NC No. 017977

Attention: Amos Kamerer, Plant Manager

Department action as indicated below has been taken on your Notice of Intent to Construct and Request(s) for Construction Approval.

Project Location	Project Description	Plans and Specifications Identification
7450 NW St Helens Rd, Portland OR, 97210	Installation of an oil cooler on a fume recovery system.	NC No. 017977

#### PLANS AND SPECIFICATIONS AND CONSTRUCTION APPROVAL

**APPROVED** - Subject to the attached conditions.

If the Department can be of assistance, or if there are any questions, please call me at (503) 229-6736.

Sincerely,

Randall Bailey
Air Quality Permitting

Northwest Region

PECEIVED

MAY - 8 2000

Attachment: Construction Approval General conditions Enclosure: Notice of Construction Completion form KOPPERS INUS, INC. PORTLAND OR



#### PLANS AND SPECIFICATIONS AND CONSTRUCTION APPROVAL CONDITIONS

- 1. The construction of the project shall be in conformance to approved plans and specifications identified above. No changes or deviations, which would significantly alter the quantity or character of emissions, shall be made without prior written approval from the Department of Environmental Quality.
- 2. Granting approval does not relieve Koppers Industries Inc. of the obligation to obtain required local, state and other permits and to comply with the appropriate statutes, Administrative Rules, Standards, and if applicable, to demonstrate compliance.
- 3. This construction approval does not guarantee the adequacy of the proposed construction. Compliance with Department regulations and permit conditions remains the total responsibility of Koppers Industries Inc.
- 4. Emission limits and conditions of operation are set forth in your Air Contaminant Discharge Permit.
- 5. Koppers Industries Inc. shall operate and maintain all processes and emission control equipment at the highest reasonable efficiency and effectiveness to minimize emissions of air pollutants.
- 6. Please fill out and return the enclosed Notice of Construction Completion form within 30 days of completion of this approved project.

NC.LTR



#### Department of Environmental Quality

April 20, 2000

Northwest Region 2020 SW Fourth Avenue Suite 400 Portland, OR 97201-4987 (503) 229-5263 Voice TTY (503) 229-5471

KOPPERS INDUSTRIES INC. 7540 NW ST HELENS ROAD PORTLAND OR 97210

Re:

AQ - Multnomah Co.

Koppers Industries Inc.

File No. 26-2930 NC No. 017977

Attention: Doug Y Hale, Environmental Manager

Department action as indicated below has been taken on your Notice of Intent to Construct and Request(s) for Construction Approval.

Project Location	Project Description	Plans and Specifications Identification
931 N. River St, Portland OR, 97201	Installation of an oil cooler on a fume recovery system.	NC No. 017977

#### PLANS AND SPECIFICATIONS AND CONSTRUCTION APPROVAL

**APPROVED** - Subject to the attached conditions.

If the Department can be of assistance, or if there are any questions, please call me at (503) 229-6736.

Sincerely,

Randall Bailey

Air Quality Permitting

Northwest Region

Attachment: Construction Approval General conditions Enclosure: Notice of Construction Completion form

#### PLANS AND SPECIFICATIONS AND CONSTRUCTION APPROVAL CONDITIONS

- 1. The construction of the project shall be in conformance to approved plans and specifications identified above. No changes or deviations, which would significantly alter the quantity or character of emissions, shall be made without prior written approval from the Department of Environmental Quality.
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- 3. This construction approval does not guarantee the adequacy of the proposed construction. Compliance with Department regulations and permit conditions remains the total responsibility of Koppers Industries Inc.
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- 6. Please fill out and return the enclosed Notice of Construction Completion form within 30 days of completion of this approved project.

NC.LTR

# DEPARTMENT OF ENVIRONMENTAL QUALITY Northwest Region 2020 SW Fourth Ave., Suite 400 Portland, OR 97201-4987

#### NOTICE OF APPROVED CONSTRUCTION COMPLETION

(Return this form within 30 days of completion of approved construction)

Applicant: Supply all information req	uested in this block.	
Company	Phone	
Address	•	
City, State, Zip	Contact	
DEQ File No. NC No		
Description of installed facility/equ		
		***************************************
Construction completed on:	Placed in operation on:	
Tax Credits		
Do you wish to apply for tax credit?	Yes No	
bo you wish to apply for tax create.	103 NO	
Signature	Title	Date
For DEQ Use Only		
Assigned to Date		
Assigned to Date	Inspection report by	Date
Summary of Inspection:		

NC.2 (9/93)



Koppers Industries, Inc. 7540 N.W. St. Helens Road Portland, OR 97210-3663

Amos S. Kamerer

1

Telephone: 503-286-3681 Fax: 503-285-2831

Kathy Amidon Permit Writer Oregon Dept. of Environmental Quality Northwest Region, Air Quality Division 2020 SW Fourth Ave., Suite 400 Portland, Oregon 97201-4987

February 25,2000

Reference: NOTICE OF INTENT TO CONSTRUCT

FILE NO. 26-2930 NC # 017237

Dear Kathy,

As a follow up to our telephone conversation earlier today; attached please find the Notice of Approved Construction Completion, for the above referenced Construction Notice.

As I explained, this work was actually completed in April of last year. However, shortly after that work was completed, we decided that we wanted to make an additional improvement to the fume recovery system, by adding a cooler for the heavy oil wash fluid that is used in the system. After considerable reviews by our Engineering Department, we have finally decided on the design that we think will work the best and this is now out for bid.

During this period, I erroneously though that we could simply add this work the original Notice, thus, the very long delay In sending the attached Completion form to you.

As soon as I receive from you, the new application for construction, I will prepare it for the cooler work and get it back to you promptly.

I apologize for my over sight and the resulting delay in getting this Completion Notice back to you.

Sincerely,

Amos S Kamerer

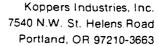
CC: T. Self, KII
M. Cilley, KII

# DEPARTMENT OF ENVIRONMENTAL QUALITY Northwest Region 2020 SW Fourth Ave., Suite 400 Portland, OR 97201-4987

#### NOTICE OF APPROVED CONSTRUCTION COMPLETION

(Return this form within 30 days of completion of approved construction)

Applicant: Supply all information requ	lested in this block
Company Koppers Industries, Inc.	Phone <u>(503) 286-3681</u>
Address 7540 NW Saint Helens Road	
City, State, Zip Portland, OR 97210	Contact Person Amos Kamerer
DEQ File No. 26-2930 NC No.	017237
Description of installed facility/equi	pment:
Replaced the steam heating system for	our fume recovery tank with an automated
electric impedance system and added a	demister to the vent stack to further collect
particulate matter.	
Construction completed on: 4/15/99	Placed in operation on: 4/15/99
Tax Credits	
Do you wish to apply for tax credit?	Yes No X
	Plant Manager 2/25/00
Signature	Title Date
Mos/S. Kamerer	
For DEQ Use Only	
FOR DEG USE UNITY	
Assigned to Date	Inspection report by Date
Summary of Inspection:	
	· · · · · · · · · · · · · · · · · · ·





Amos S. Kamerer

Telephone: 503-286-3681 Fax: 503-285-2831

February 9, 2001

Oregon Department of Environmental Quality Northwest Region 2020 SW 4<sup>th</sup> Avenue, Suite 400 Portland, Oregon 97201-4987

Attention: Randall Bailey

Reference: Air Containment Discharge Permit # 26-2930

Thermal Oxidizer-NC No. 018175

Dear Mr. Bailey,

This is regarding Koppers Industries, Inc. January 18<sup>th</sup> letter, requesting a delay to install the new thermal oxidizer covered by the NC referenced above, and is a follow up to our telephone conversation of last week, on this same matter.

We have completed a review of our projected emissions for this year, as a result of the reduced through put volume that we now expect. In addition, during our review, we looked at any, and all things, that we could do operationally at the terminal, to further reduce these emissions.

As you know, our existing system is a fume recovery system, and is not a scrubber system. The wash material that we use in our fume recovery system to develop the required vacuum, to draw the fumes away from the load-out stations and tanks, is one of our products, heavy oil, that we then recycle back into our process. Our review of our operating practices developed the idea that we do not need to operate this system during all hours, which we operate. That, we only need to operate this system during the periods of hours when we are loading out product for shipment, or transferring product within the plant. This change in our operating plan has developed a further reduction to our estimated emissions for this year, in addition to the estimated reduction, from the lower through put volume.

The total reduction in the estimated emissions that resulted for this year is provided in the attached materials. First, is a copy of our actual emission data for year 2000; second is the estimated data for year 2001, based on the reduced through put volume, while running the fume recovery system at all hours of operation; and last is the same estimated data for year 2001, when only operating the fume recovery system during the needed hours of operation. We used the same format for reporting all of this data, which we use for our annual emissions report, to the ODEQ.

In addition, we have developed a spreadsheet for your review that lists the emission data for the following emission categories; the actual data for years 1999 and 2000, and the estimated emission data for this year, for both scenarios mentioned above. As you can see, the total reduction in the emissions is substantial, simply as a result of the reduced through put volume. However, there is additional reduction of 25% in the estimated emissions for this year at the lower through put volume, by only operating the fume recovery system during the needed hours of operation. The total reduction from the actual data for last year, to our estimated emissions for this year, with the reduced through put volume and the reduced fume recovery system operation, is 265%.

I believe that this provides ODEQ with the necessary data, showing that our emissions will be greatly reduced during the period of the delay in the installation of the thermal oxidizer, while we wait for business conditions to improve and warrant such expenditure, and will thus grant our request for this delay.

KII appreciates your understanding in this matter. If you have any questions, with regard to any of this, please contact me at (503) 286-3681, or via e-mail at kamereras@koppers.com.

Sincerel

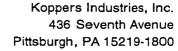
Amos S. Kamerer

CC: J. Dietz, KII

T. Self, KII

M. Cilley, KII

B. Meisinger, KII





Telephone: Fax:

(412) 227-2001 (412) 227-2423

January 18, 2001

Oregon Department of Environmental Quality Northwest Region 2020 SW 4<sup>th</sup> Avenue, Suite 400 Portland, Oregon 97201-4987

Attention: Randall Bailey

Reference: Air Containment Discharge Permit # 26-2930

Thermal Oxidizer-NC No. 018175

Dear Mr. Bailey,

Koppers Industries, Inc. (KII) respectfully submits this letter as a request to delay installation of the new thermal oxidizer for which a Notice of Intent to Construct Approval was granted by the Oregon Department of Environmental Quality (ODEQ) on October 10, 2000.

KII is experiencing a very sharp decline in business conditions at the Portland terminal. As a result of the current West Coast power energy crisis, of which, I am sure you are aware, all of the aluminum customers that we service through the terminal have drastically reduced, or totally eliminated, receipt of KII products. Due to these developments, the terminal has had to reduce its total work force by 45%, in the recent months. Business losses at the terminal exceeded \$1.5 million dollars last year, and losses are expected for this year, as well.

In a letter to you dated September 29, 2000, KII provided an estimate of the maximum potential emissions for one year, which would occur at the end of the 5-year period of the permit, based on processing 150,000 tons of coal tar pitch. For the year 2001, the emissions data was based on processing approximately 70,000 tons of coal tar pitch. Because of the bleak outlook for business in 2001, KII is now estimating that the terminal will only process approximately 31,000 tons of coal tar pitch. Therefore, the emissions upon which the necessity of adding a thermal oxidizer was originally based on, have also decreased.

However, we realize that the opacity emissions from the existing fume recovery system are more of a concern to ODEQ, and KII realizes that we cannot address this situation without the installation of the new thermal oxidizer. Thus, we are hoping that you will understand that KII is in a real business crisis position. As you are aware, the design and installation of a thermal oxidizer is very costly, and is an expenditure that KII is reluctant to take at this time, without a reasonable expectation of what our continued future business will be, in the Pacific Northwest.

KII requests that the implementation schedule that was outlined in the Notice of Intent to Construct be delayed, until business conditions improve. KII will notify ODEQ within 30 days of a change in the business conditions, which will warrant the continuation of this project, and this capital expenditure. We will at that time, resume the schedule at the point of contract award, as outlined in the Notice of Intent to Construct.

KII appreciates your understanding in this matter. If you have any questions, please contact Amos Kamerer at (503) 286-3681, or me at (412) 227-2883.

Sincerely,

Traci I. Self

Environmental Manager

CC: A.\_Kamerer, KII

J. Dietz. KII

T. Self, KII

M. Cilley, KII

B. Meisinger, KII

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JAN 2 2 2001

KOPPERS INDS, INC. PORTLAND OR

Koppers012395



#### Department of Environmental Quality

May 10, 2001

Northwest Region 2020 SW Fourth Avenue Suite 400 Portland, OR 97201-4987 (503) 229-5263 Voice TTY (503) 229-5471

KOPPERS INDUSTRIES INC 7540 NW ST HELENS RD PORTLAND OR 97210-3663

Re: AQ - Multnomah Co.

Koppers Industries Inc. File No. 26-2930, NC No. 018175

Attention: Amos Kamerer, Plant Manager

We received letter dated April 27, 2001, summarizing Koppers Industries Inc.'s recent actions to minimize emissions and odors from the fume recovery stack and your request to delay installation of the thermal oxidizer as approved in our construction approval in NC No. 018175. Based on our belief that the measures taken have significantly reduced the visible emissions and odor impact from the fume recovery stack, we approve your request to delay installation of the thermal oxidizer until the monthly thruput reaches 5000 tons per month for three consecutive months, or until it is required in accordance with the current ACDP, whichever occurs first.

If you have any questions regarding these matters, I can be contacted at (503) 229-6736.

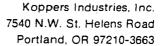
Sincerely,

Randall Bailey
Air Quality Permitting
Northwest Region

RECEIVED

MAY 1 1 2001

KOPPERS INDS, INC. PORTLAND OR





Amos S. Kamerer

Telephone: 503-286-3681

Fax: 503-285-2831

April 27, 2001

Oregon Department of Environmental Quality Northwest Region 2020 SW 4<sup>th</sup> Avenue, Suite 400 Portland, Oregon 97201-4987

Attention: Randall Bailey

Reference: Air Containment Discharge Permit # 26-2930

Thermal Oxidizer-NC No. 018175

Dear Mr. Bailey,

The purpose of this letter is to summarize our previous discussions and the series of written information that has been provided to you over the last several of months regarding our request to delay the installation of a new thermal oxidizer, which is covered in the above Notice of Intent to Construct Approval.

The basis of Koppers Industries' request for a delay in installations is:

- 1. The current and foreseeable drastic decline in Koppers' business due to the shutting down of our aluminum customers operations.
- 2. The reduction in emissions from permitted quantities from our operating schedule changes, as a result of the reduction in throughput.
- 3. Our recent modifications to the operation of the fume recovery system, in response to odor complaints.

First and foremost, we have changed the wash fluid used in the fume recovery unit from heavy oil, to water. As you can see from the attached Emission Summary, this alone has reduced our emissions, substantially. When compared to the data reported in our Annual Emissions Report for year 2000, the reduction in VOC's alone, dropped from 11.71 Tons/Yr to .75 Tons/Yr, as a result of this change.

Part of this total reduction is also a result of reducing our days of operation from 5 to 4 days per week. In addition, we now only operate the fume recovery unit during the hours needed rather than during all hours of operation each week. This practice reduces emissions further. However, because these hours fluctuate from week to week, depending on the business volume and other operating parameters, we have not developed an emission summary based on this scenario. We just wanted you to know that as a result of this practice, the actual emissions are even lower than what is shown on the attached summary.

Finally, it's our thought that we would proceed with the thermal oxidizer project once our business level reaches 75% of the original projected business level based on through put. Projections for this year were 80,000 tons, so we would proceed with the project at about the 60,000-ton annual throughput level.

I hope that this covers everything, if you have any questions, I can be reached at 503/286-3681.

Sinceret.

A. S. Kamerer

CC: J. Dietz, KII T. Self, KII

M. Cilley, KII

W. Meisinger, KII

Estimated Air Emissions for 2001 Permit #26-2930 (Fume Recovery Operation with Water) Portland Terminal Emissions Summary
Natural Gas Combustion, Fugitives, Scrubber, Tank Breathing and Working Losses

Unit	Comments	Commodity	NOx (lb/hr)	NOx Tons/Yr	VOC (lb/hr)	VOC Tons/Yr	CO (lb/hr)	CO Tons/Yr	SO2 (lb/hr)	SO2 Tons/Yr	PM-10 (lb/hr)	PM-10 Tons/Yr
			(12/111)		(1.07.11.5)	1 0116/1 11	(10/11/	10.00.01	(127,111)	201131 23	(12,111)	
Atlas Boiler		Gas	0.42	0.96	0.01	0.02	0.11	0.24	0.01	0.01	0.02	0.05
Hot Oil Heater		Gas	0.30	0.68	0.01	0.03	0.06	0.14	0.01	0.01	0.02	0.05
Hot Oil Heater (New)		Gas	0.19	0,43	0.01	0.02	0.14	0.32	0.00	0.01	0.02	0.04
Fume Recovery System 1,2,3		NA			0.08	0.34						
Tank 33		Heavy Oil			0.01	0.043						
Tank 67		Heavy Oil			0.02	0.089						
Fugitives		NA.			0.09	0.217						
Plant Total			0.91	2.07	0.22	0.75	0.31	0.71	0.02	0.04	0.06	0.14

<sup>&</sup>lt;sup>1</sup> The fune recovery system receives emissions from the following units: T-68, T-65, T-200, railear loading and tank car loading

<sup>2</sup> Hourly and annual VOC emissions from the fune recovery system were calculated using ChemCAD and water as the scrubing fluid

The estimated emissions are based on an operating temperature of 150 degrees F. Actual emissions should be less with the operating scenario previously supplied.

#### Kamerer Amos

From:

Dietz Jim

Sent: To: Tuesday, April 24, 2001 8:30 AM Kamerer Amos; Self Traci; Cilley Mark

Subject:

RE: 4/18/01 Odor Complaint

#### Amos,

I think we need to provide a letter that: 1) restates the expected emissions loading reduction due to business conditions; 2) advises of the shortened loading schedule; 3) states changes in fume system operation; and 4) when we can expect to move forward - I think this should be based on a basis of 75% of original throughput, or about 60,000 tons per year.

I'm sure he wants it all wrapped up in a package for his boss.

#### Jim

----Original Message----

From: Kamerer Amos

Sent: Tuesday, April 24, 2001 10:20 AM
To: Dietz Jim; Self Traci; Cilley Mark
Subject: FW: 4/18/01 Odor Complaint

Your comments on the following would be appreciated.

#### Amos

----Original Message----

From: BAILEY.Randy@deq.state.or.us [mailto:BAILEY.Randy@deq.state.or.us]

Sent: Monday, April 23, 2001 5:49 PM

To: KamererAS@koppers.com

Subject: RE: 4/18/01 Odor Complaint

OK what I need is a summary of what you are doing to minimize emissions in

the interim, and the process for deciding when to put in the T.O. I

know

that you put some of this together before, but only in pieces. I want it

(limited operation per earlier letter, change to water, when TO goes in)

one letter. This can be a revision to your earlier letter, in letter format.

I guess the job is not over until the paperwork is done. Thanks again.

----Original Message----

From: Kamerer Amos [mailto:KamererAS@koppers.com]

Sent: Monday, April 23, 2001 11:48 AM

To: BAILEY Randy

Subject: RE: 4/18/01 Odor Complaint

#### Randy,

I believe that the changes will avoid a similar occurrence.

Regarding Dr. Kravits, I think I'm going to change my



Koppers Industries, Inc. 7540 N.W. St. Helens Road Portland, OR 97210-3663

Amos S. Kamerer
Plant Manager

Telephone: 503-286-3681 Fax: 503-285-2831

March 29, 2001

Oregon Department of Environmental Quality Northwest Region 2020 SW 4<sup>th</sup> Avenue, Suite 400 Portland, Oregon 97201-4987

Attention: Randall Bailey

Reference: Air Containment Discharge Permit # 26-2930

Dear Mr. Bailey,

As a follow up to our prior telephone conversations, this is to advise that after a through review of the various options available to us, Koppers Industries has decided to change the wash material in the fume recovery system from the current heavy oil, to water. On tests run at one of our other facilities on a similar system, the use of water as the wash material resulted in significant reductions of the opacity and odor emissions.

In addition, we have recalculated the over all plant emission estimates for year 2001, based on this change to water as the wash material, and that data is attached for your review. This change to water reflects a reduction in the VOV emissions of over 87 %, which is obviously very substantial. However, we believe, and I am sure you will agree after your visits, that the real benefit in this change will be the reduction in the opacity and the odor emissions, emitting from the unit.

If you have any questions, you can reach me at 503/286-3681. Otherwise, let me know what your plans are for next weeks visit, and I will make sure that I am here.

Sincerely.

Amos S. Kamerer

CC: J. Dietz, KII

T. Self, KII

M. Cilley, KII

B. Meisinger, KII

Handdelivered on
3/29/01

Estimated Air Emissions for 2001 Permit #26-2930 (Fume Recovery Operation with Water) Portland Terminal Emissions Summary
Natural Gas Combustion, Fugitives, Scrubber, Tank Breathing and Working Losses

Unit	Comments	Commodity	NOx (lb/hr)	NOx Tons/Yr	VOC (ib/hr)	VOC Tons/Yr	CO (lb/hr)	CO Tons/Yr	SO2 (lb/hr)	SO2 Tons/Yr	PM-10 (lb/hr)	PM-10 Tons/Yr
Atlas Boiler		Gas	0.42	0.96	0.01	0.02	0.11	0.24	0.01	0.01	0.02	0.05
Hot Oil Heater		Gas	0,30	0.68	0.01	0.03	0.06	0.14	0.01	0.01	0.02	0.05
Hot Oil Heater (New)		Gas	0.19	0.43	0.01	0.02	0.14	0.32	0.00	0.01	. 0.02	0.04
Fume Recovery System 1,2,3		NA_			0.08	0.34	-					
Tank 33		Henvy Oil			0.01	0.043						
Tank 67		Heavy Oil			0.02	0.089						
Fugitives		NA			0.09	0.217						
Plant Total			0.91	2.07	0.22	0.75	0.31	0.71	0.02	0.04	0.06	0.14

<sup>1.</sup> The fume recovery system receives emissions from the following units: T-68, T-65, T-200, railcar loading and tank car loading

<sup>2</sup> Hourly and annual VOC emissions from the fune recovery system were calculated using ChemCAD and water us the scrubing fluid.

<sup>1</sup> The estimated emissions are based on an operating temperature of 150 degrees F. Actual emissions should be less with the operating scenario previously supplied.

#### Kamerer Amos

From:

Mueller Carl

Sent:

Wednesday, March 28, 2001 10:44 AM

To:

Cilley Mark; Meisinger William; Kamerer Amos

Cc:

Wombles Bob

Subject:

Calcs. for using H2O Instead of HO

Attached is a spreadsheet summarizing the request by Mark Cilley to employ water instead of Heavy Oil for scrubbing pitch fumes in Portland. The air and pitch fume loading basis remains the same as all previous calculations. I did five case studies between 100°F and 200°F. The table gives total VOC's emitted out the stack for a month and the amount of make-up water required to maintain the level in the circulation tank as water is lost out the stack as low pressure vapor/steam. The simulation assumes no miscibility between the aqueous and organic phases.

I did try a test to let the temperature float naturally affected only by the fume and make-up water temperatures. The fumes were assumed to come in at 400°F and the make-up water at 55°F, a typical ground water temperature. The circulation temperature after 720 hours or 1 month settles out to 92°F no matter what. The temperature is highly dependent on the temp of the make-up water coming in.

If this method is pursued I would think that it would very wise to operate at elevated temperatures to allow the condensed organics to be pumped out, but I really don't have any personal experience operating a fume scrubber with water.

Carl



scrubbing pitch f...

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.

	BASIS OF CALC	ULATONS	Circulation Temperature	10	00°F	12	5°F	150	)°F	175	5°F	200°	F
	Pitch Fumes	Air	1	Total VOC's	Monthly Make-up	Total VOC's	Monthly Make-up	Total VOC's	Monthly Make-up	Total VOC's	Monthly Make-up	Total VOC's	Monthly Make-up
Stream Name	Pitch rumes	All	Stream Name	I TOLAT VOC S	Water	1000 1000	Water	101211003	Water	10021 100 3	Water	_	Water
Temp F	400,0000*	400.0000*	Temp F	100,0002	99.9719	124.9996	124.9568	150	150.0719	175.0008	175.0497	200.0005	199.9905
Pres psia	14,7000*	14.7000*	Pres psia	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
Total lb/hour	24.7006	3087	Total lb/month	8,8951	95966.0781	23.3375	211459.5	56.788	469854.0938	134.6147	1166304	432.5568	5032837
Total lb/month		ł	Total std L gpm		16		35.2		78.3		194.5		839.1
Total std L gpm	0.0462	7.154		1			1		i				ŀ
Total std V scfh	35.78	40463.21	1		ì				,				Į.
Flowrates in lb/h			Flowrates in lb/month				:						
Air	0	3087	Air	0	0	0	0	0	0	0	0	0	0
Water	0	0	Water	0	95966.0781	0	211459.5	0	469854.0938	0	1166304	0	5032837
Naphthalene	0.0025	0	Naphthalene	0.8506	이	1.2495	0]	1.5277	0	1.6876	0	1.7751	0
2-Methylnaphthalene	0.0025	0	2-Methylnaphthalene	0.3385	이	0.7094	0	1.1606	0	1.5219	0	1.7393	0
1-Methylnaphthalene	0.0025	0	1-Methylnaphthalene	0,3633	0	0.7235	0	1.1548	0	1.51	0	1.7347	0
Acenaphthylene	0.0445	0	Acenaphthylene	0.8325	이	2.4443	이	6.3681	0	14.5896	이	27.0527	0
Acenaphthene	0.1507	0	Acenaphthene	5.2449	이	13.611	0	30.9838	0	60.5813	ol	95.6999	O O
Fluorene	0.0025	이	Fluorene	0.027	0	0.0813	이	0.2226	이	0.5706	0	1.3547	0
Phenanthrene	0.1507	이	Phenanthrene	0.2661	0	0.9137	0	2.9069	0	9.3885	9	41.447	0
Anthracene	0.0741	10	Anthracene	0,1532	이	0.5015	0	1.5356	0	4.8102	9	20.6791	0
Dibenzopyrrole	0.0198	0	Dibenzopyrrole	0,0077	이	0.0295	0	0.1044	0	0.3819	9	2.2258	0
Cyclopentaphenanthrene	0.0618	이	Cyclopentaphenanthrene	0.0139	oj	0.0554	0	0.2047	0	0.7821	0	4.8865	9
Fluoranthene	1.6154	0	Fluoranthene	0.6231	oj	2.2796	0	7.7358	9	27.1713	0	154.6195	9
Pyrene	1.6426	이	Pyrene	0.1535	01	0.6385	o	2.4373	0	9.5767	아 -	63.2056	
11H-Benzo(b)flu	0.3137	이	11H-Benzo(b)flu	0.0024	이	0.0118	0)	0.0534	9	0.2477	임	1.9623	o o
Benzo(c)fluoren	0.2297	٥.	Benzo(c)fluoren	0.0013	이	0.0068	0	0.0313	oj.	0.1468	o	1.176 0.216	ol .
Benzonaphthothio	0.1606	0	Benzonaphthothio	0.0002	익	0.001	0]	0.0049	U <sub>1</sub>	0.0249	ျ	4.1045	ŭ]
Benzo(c)phenanth	0.289	0	Benzo(c)phenanth	0.0076	્યુ	0.0335	្ប	0.136 0.0696	U.	0.571 0.3339	, i	4.1045 2.7392	ď
Chrysene	1.445	0	Chrysene	0.0029	U	0.0148	<u> </u>	0.0696	\displays \displ	0.3339	\frac{1}{2}	1.697	Š
Benz(a)anthrac	1.3116	9	Benz(a)anthrac	0.0014	0	0.0077 0.0177	្ប	0.0385	ÿ	0.1936	9	2.5293	o)
Triphenylene	0.4273	0 -	Triphenylene	0.0038 0.0001	្យ	0.0177	, i	0.0757	្ត្រ	0.0148	\dagger \land \dagger	0.1354	o
Benzo(e)pyrene	0.5977	oj.	Benzo(e)pyrene	0,0001	្ប	0.0003	, i	0.0027	, i	0.0139	3	0.1334	Š)
Bz(j)fluoranthe	2.4453	9	Bz(j)fluoranthe	٥	្ប	0.0003	, i	0.0022	\document{\document}{\document}	0.0139	ĭ	0.1481	ő
Bz(k)fluoranthe	2.4453	0	Bz(k)fluoranthe	0,0007	្ប	0.0034	Ä	0.0022	្នា	0.0139	ĭ	0.5516	ň
Bz(b)fluoranthe	2.4453	0 -	Bz(b)fluoranthe	0.0007	្លា	0.0034	Š,	0.0027	0	0.0091	ĭ	0.1353	ň
Benzo(a)pyrene	0.6768	of .	Benzo(a)pyrene	0.0001	, i	0.0003	, i	0.0027	Š.	0.019	ň	0.1823	ŏ
Benzo(b)chrysene	1.4128 1.1757	UI.	Benzo(b)chrysene	0.0001	ដ	0.0003	្តា	0.0069	ă	0.0373	o l	0.3425	ő
Dibenz(a,h)anthr	1.1757 0.5311	ol:	Dibenz(a,h)anthr Benzoperylene	0,0002	្ប	0.0013	្ត្	0,0008	ă	0.0004	ຸດໄ	0.0044	ام
Benzoperylene	0.5311	of .	Dibenzo(a,h)pym	l ×	្តា	0.0001	្តា	0.0005	ő	0.0032	ől	0.0326	ő
Dibenzo(a,h)pym	0.5064 0.5064	oh.	Benzo(a,i)pyrene		, i	0.0001	, i	0.0005	Ö	0.0032	ď	0.0326	ň
Benzo(a,i)pyrene	4.0113		Very Heavy Tar	Š	ä	0.0001	ål	0.0005	o o	0.0052 n	Ň	0.0020	n
Very Heavy Tar	4.0113		J very neavy ras	L	<u> </u>				U <sub>I</sub>				

September 29, 2000

Oregon Department Of Environmental Quality Northwest Region 2020 SW 4th Avenue, Suite 400 Portland. Oregon 97201-4987 Attention: Randall Bailey

RE: Koppers Industries Inc.

7540 NW ST. Helens Road
Portland, OR 97210
Air Contaminant Discharge Permit # 26-2930

Dear Mr. Bailey:

Attached is an estimate of "Maximum Potential Emissions, Phase II" that includes as part of the Fume combustion system emissions associated with installation of the Thermal Oxidizer. A stated in earlier communications with you, based on experience at other facilities, KII estimates installation of the thermal oxidizer based on the following schedule:

Milestone	Estimated Time frame
Prepare engineering package for bid	6 weeks
Receive bids and award contract	8 weeks
Order equipment/delivery	24-40 weeks
Installation	6 weeks
Start-up/Shake-down	4 weeks

KII began implementation of the schedule on June 1, 2000. KII has now received the bids for the thermal oxidizer unit and they are under evaluation at this time. With regard to the completion of this installation, we are still on schedule as stated in our Notice of Intent to Construct. As always, KII will provide updates as we progress.

If you have any questions please contact Amos Kamerer at (503) 503-286-3681 me at (412) 227-2883.

Sincerely,

Traci I. Self Environmental Manager cc:

Amos Kamerer Mark Cilley Jim Dietz Leslie Hyde Bill Meisinger

#### Basis: Potential Emissions

	Pitch	Pitch	Pitch	Pitch	Pitch	Pitch	Additive	Fume Recovery
Year	Total	Total	Solid	Solid	Liquid	Liquid	Heavy Oil	Heavy Oil
	(tons)	(gallons)	(tons)	(gallons)	(tons)	(gallons)	(gallons)	(gallons)
Maximum	150,000	27,272,727	0	0	150,000	27,272,727	180,000	77,143

Gallons = tons \* 2,000 lb/ton / (11 lb/gal)

- \* Heavy Oil Throughput (Tank 33) assumed to be equal to 1.2 gallons per ton of Total Pitch Throughput
- \* New Tank(s) throughput assumed to be equal to total liquid pitch Shipments
- \* Rail Car throughut assumed equal to 60% of total pitch shipments
- \* Truck throughut assumed equal to 40% of total pitch shipments
- \* Tank 68 assumed equal to Rail Car Shipments
- \* Tank 65 throughput assumed equal to total solid pitch deliveries
- \* Uncontrolled tank breathing losses are based on +/- 10 F temperature variations.
- \* Fume recovery system solution usage was calculated by assuming 3,000 gallons per month for every 70,000 tons of Pitch processed per year.
- \* Tank 67 throughput assumed equal to fume recovery system throughput
- \* Inlet pitch concentration to fume recovery system was assumed saturated pitch at 400F (Actual pitch concentration is expected to be lower)
- \* Fume recovery system emissions were calculated by ChemCad.

#### Phase 1 Revisions

- \* A new tank, T-200, is vented to Fume Recovery System. The effect on emissions is negligible.
- \* A new Hot oil Heater rated at 10 MMBTU/hr is added. The old heater remains as a backup. Unit can burn oil and natural gas.
- \* Combustion units may operate up to 12 weeks per year using Fuel Oil and up to 52 weeks per year using Natural Gas

#### Phase 2 Revisions

- \* A new tank, T-210, is vented to Fume recovery. The effect on emissions is negligible.
- \* The Fume Recovery System is replaced with a fume combustor. Pitch fumes are controlled at 98% based on an inlet loading which is assumed saturated at 400F.
- \* Combustion units may operate up to 12 weeks per year using Fuel Oil and up to 52 weeks per year using Natural Gas

# Maximum Potential Emissions from Existing Units Koppers Industries, Inc., Portland Terminal

	Comments	Commodity	NOx	NOx	VOC	VOC	CO	CO	SO2	SO2	PM-10	PM-10
Unit			(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr
Atlas Boiler <sup>1</sup>		Gas	2.82	12.33	0.06	0.25	0.70			0.33	0.12	0.55
	<del></del>	Oil/Gas	3.00	12.52	0.06	0.22	0.75	3,13	10.65		0.30	1.24
		MAX	3.00	12.52	0.06	0.25	0.75	3,13	10.65	11.31	0.30	1.24
Hot Oil Heater(backup unit) <sup>1</sup>		Gas	0.81	3.57	0.04	0.19	0.17	0.75	0.03	0.14	0.04	0.16
		Oil/Gas	1,22	3.97	0.04	0.16	0.31	0.88	4.33	4.60	0.12	0.43
		MAX	1.22	3.97	0.04	0.19	0.31	0.88	4.33	4.60	0.12	0.43
Fume Recovery System <sup>2,3</sup>		NA			12.47	18.11						
Tank 33		Heavy Oil			0.37	0.016						
Tank 67		P1/P13 Distillate			0.59	0.024						
Loading Tank 67 to Rail		P1/P13 Distillate			1.71	0.003						
Fugitives		NA			0.98	0.568	·					
Plant Total			4.22	16.49	16.22	19.15	1.06	4.01	14.98	15.91	0.42	1.67

<sup>1</sup> Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.

The fume recovery system receives emissions from the following units: T-68, T-65, railcar loading and tank car loading.

<sup>&</sup>lt;sup>3</sup> Hourly and annual VOC emissions from the fume recovery system were calculated using ChemCAD.

### Maximum Potential HAP Emissions from Existing Units Koppers Industries, Inc., Portland Terminal

i	Commodity	Benzene	Toluene	Pyridine	Ethylbenzene	p-Xylene	m-Xylene	Phenol	m-Cresol	p-Cresol	o-Cresol	Naphthalene	Quinoline	Biphenyl	Dibenzofuran	Total HAPs
Unit	<del>/</del>	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	· (lb/yr)
Atlas Boiler <sup>1</sup>	Gas	ļ								··				-		
	Oil/Gas															
	MAX	ļ										·				
Hot Oil Heater(backup unit) <sup>1</sup>	Gas	<u> </u>														
	Oil/Gas															
	MAX															
Fume Recovery System <sup>2,3</sup>	NA											3509.33	264.02	327.76	2136.10	. 6237.22
Fank 33	Heavy Oil											0.03	0.03	0.11	0.68	0.85
Fank 67	P1/P13 Distillate	3.06			0.00				0.00					<b></b>		3.06
L - 1' - T- 1 65 4- D-1	D4/D42 D1-401-4	0.22	0.10		0.00	0.07	0.07	0.01	0.01	0.01	0.01	0.22	0.10	0.07	0.20	2.25
Loading Tank 67 to Rail	P1/P13 Distillate	0.23	0.18		0.08	0.07	0.07	0.01	0.01	0.01	0.01	2.33	0.10	0.07	0.20	3.35
Fugitives	NA	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.03	0.04	0.12	0.43
Plant Total		3.28	0.18		0.08	0.07	0.07	0.01	0.01	0.01	0.01	3,511.93	264.19	327.98	2,137.10	6,244.89

<sup>1</sup> Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.

The fume recovery system receives emissions from the following units: T-68, T-65, railcar loading and tank car loading.

<sup>&</sup>lt;sup>3</sup> Annual HAP emissions from the fume recovery system were calculated using ChemCAD.

## Maximum Potential Emissions, Phase I Koppers Industries, Inc., Portland Terminal

	Comments	Commodity	NOx	NOx	VOC	VOC	CO	CO	SO2	SO2	PM-10	PM-10
Unit			(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr
Atlas Boiler <sup>1</sup>		Gas	2.82	12.33	0.06	0.25	0.70	3.08	0.08	0.33	0.12	0.55
Auas Doner		Oil/Gas	3.00	12.52	0.06	0.23	0.70	3.08	10.65	11.31	0.12	1.24
		MAX	3.00	12.52	0.06	0.25	0.75	3.13	10.65	11.31	0.30	1.24
Hot Oil Heater(backup unit) <sup>1</sup>		Gas	0.81	3.57	0.04	0.19	0.17	0.75	0.03	0.14	0.04	0.16
		Oil/Gas	1,22	3.97	0.04	0.16	. 0.31	0.88	4.33	4.60	0.12	0.43
		MAX	1.22	3.97	0.04	0.19	0.31	0.88	4.33	4.60	0.12	0.43
Fume Recovery System 2,3		NA			12.47	18.11			-			
Tank 33		Heavy Oil			0.37	0.016						
Tank 67		Heavy Oil			0.15	0.006						· · · · · · · · · · · · · · · · · · ·
Fugitives		NA			0.98	0.568						
New Hot Oil Heater <sup>1</sup>		Gas	1.34	5.87	0.03	0.12	0.34	1.47	0.04	0.16	0.06	0.26
		Oil/Gas MAX	1.42	5.96 5.96	0.03	0.10 0.12	0.36	1.49 1.49	5.04 5.04	5.34 5.34	0.14 0.14	0.52 0.52
			1.42	3.90	0.03	0,12	0.30	1.43	5.04	3.34	0.14	0.32
T-200		Liquid Pitch				Note 4						
Plant Total			5.64	22.45	14.10	19.25	1.41	5.50	20.02	21.26	0.56	2.19

<sup>1</sup> Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.

<sup>&</sup>lt;sup>2</sup> The fume recovery system receives emissions from the following units: T-68, T-65, T-200, railcar loading and tank car loading.

<sup>&</sup>lt;sup>3</sup> Hourly and annual VOC emissions from the fume recovery system were calculated using ChemCAD.

<sup>&</sup>lt;sup>4</sup> VOC Emissions from T-200 are included in the fume recovery system's emissions.

# Maximum Potential HAP Emissions, Phase I Koppers Industries, Inc., Portland Terminal

		Benzene	Toluene	Ethylbenzene	p-Xylene	m-Xylene	Phenol	m-Cresol	p-Cresol	o-Cresol	Naphthalene	Quinoline	Biphenyl	Dibenzofuran	Total HAPs
Unit	Commodity	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)
Ad. D. v. I															
Atlas Boiler <sup>1</sup>	Gas Oil/Gas									<del> </del>					
			<u> </u>		<del></del>	ļ				-					
	MAX									<del></del>	<u> </u>				
Hot Oil Heater(backup unit) <sup>1</sup>	Gas														
	Oil/Gas														
	MAX														
Fume Recovery System <sup>2,3</sup>	NA						<del></del>		<u> </u>		3,509.33	264.02	327.76	2,136.10	6,237.22
rume Recovery System	IVA.									<u> </u>	3,309.33	204.02	321.10	2,130.10	0,237.22
Tank 33	Heavy Oil										0.03	0.03	0.11	0.68	0.85
Tank 67	Heavy Oil										0.95	0.03	0.02	0.15	1.15
Fugitives	NA										0.03	0.00	0.00	0.03	0.07
New Hot Oil Heater <sup>1</sup>	Gas														
	Oil/Gas	<del> </del>	<u> </u>			t			<u> </u>	\ <u></u>					
	MAX														
T-200 <sup>4</sup>	Liquid Pitch														
Plant Total		<u> </u>	]		<u> </u>	<u> </u>		<u> </u>		<u> </u>	3,510.34	264.09	327.90	2,136.95	6,239.28

- 1 Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.
- <sup>2</sup> The fume recovery system receives emissions from the following units: T-68, T-65, T-200, railcar loading and tank car loading.
- <sup>3</sup> Annual HAP emissions from the fume recovery system were calculated using ChemCAD.

### Maximum Potential Emissions, Phase II Koppers Industries, Inc., Portland Terminal

	Comments	Commodity	NOx	NOx	VOC	VOC	CO	CO	SO2	SO2	PM-10	PM-10
Unit			(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr
Atlas Boiler <sup>1</sup>		Gas	2.82	12.33	0.06	0.25	0.70	3.08	0.08	0.33	0.12	0.55
Atlas Doller	<del> </del>	Oil/Gas	3.00	12.52	0.06	0.23	0.75	3.13		11.31	0.30	
		MAX	3.00	12.52	0.06	0.25	0.75	3.13	10.65	11.31	0.30	
Hot Oil Heater(backup unit) <sup>1</sup>	-	Gas	0.81	3.57	0.04	0.19	0.17	0.75	0.03	0.14	0.04	0.16
		Oil/Gas	1.22	3.97	0.04	0.16	0.31	0.88	4.33	4.60	0.12	0.43
		MAX	1.22	3.97	0.04	0.19	0.31	0.88	4.33	4.60	0.12	0.43
Fume Combustion System 2,3		NA	0.223	0.98	0.49	2.16	0.29	1.26	0.18	0.98		
Tank 33		Heavy Oil			0.37	0.016						
Tank 67		Heavy Oil			0.15	0.006						
Fugitives		NA			0.98	0.568		· · · · · ·				
New Hot Oil Heater <sup>1</sup>		Gas	1.34	5.87	0.03	0.12	0.34	1.47	0.04	0.16	0.06	0.26
		Oil/Gas	1.42	5.96	0.03	0.10	0.36		5.04	5.34		
		MAX	1.42	5.96	0.03	0.12	0.36	1.49	5.04	5.34	0.14	0.52
T-200		Liquid Pitch				Note 4						
T-210		Liquid Pitch				Note 4						
Plant Total	Maximum		5.64	22.45	2.12	3.30	1.41	5.50	20.02	21.26	0.56	2.19

#### NOTE:

- 1 Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.
- The fume combustion system receives emissions from the following units: T-68, T-65, T-200, T-210, railcar loading and tank car loading.
- <sup>3</sup> Hourly and annual VOC emissions from the fume recovery system were calculated using ChemCAD.
- <sup>4</sup> VOC Emissions from T-200 and T-210 are included in the fume combustion system's emissions.

# Maximum Potential HAP Emissions, Phase II Koppers Industries, Inc., Portland Terminal

· · · · · · · · · · · · · · · · · · ·		Benzene	Toluene	Ethylbenzene	p-Xylene	m-Xylene	Phenol	m-Cresol	p-Cresol	o-Cresol	Naphthalene	Quinoline	Biphenyl	Dibenzofuran	Total HAPs
Unit	Commodity	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)
Atlas Boiler <sup>1</sup>	Gas				<u> </u>										
	Oil/Gas				<u> </u>										
	MAX														
Hot Oil Heater(backup unit) <sup>1</sup>	Gas														
(540,000)	Oil/Gas														
	MAX														
Fume Combustion System <sup>2,3</sup>	NA										0.43				0.43
Tank 33	Heavy Oil										0.03	0.03	0.11	0.68	0.85
Tank 67	Heavy Oil										0.95	0.03	0.02	0.15	1.15
Fugitives	NA										0.03	0.00	0.00	0.03	0.07
New Hot Oil Heater <sup>1</sup>	Gas						·····								
	Oil/Gas														
	MAX						<u></u>								
T-200 <sup>4</sup>	Liquid Pitch														
T-210 <sup>4</sup>	Liquid Pitch														
Plant Total		<u> </u>	<u> </u>								1.44	0.06	0.14	0.85	2.50
	4	<del>!</del>	1	<u> </u>	1			<u> </u>	<u> </u>	<del> </del>					0.001

<sup>1</sup> Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.

<sup>&</sup>lt;sup>2</sup> The fume combustion system receives emissions from the following units: T-68, T-65, T-200, T-210, railcar loading and tank car loading.

<sup>&</sup>lt;sup>3</sup> Annual HAP emissions from the fume recovery system were calculated using ChemCAD.

#### Fume recovery Operating Hours- Maximum Case Koppers Industries, Inc., Portland Tar Plant, Portland, Oregon

#### Assumptions:

All Pitch comes in as solid pitch

Total Annual Pitch Production:

Pitch laoding from barges

% Pitch loaded into trucks from T-68:

Pitch loading pumping rate into trucks from T-68:

% Pitch loaded into railcar from T-65:

Pitch loading pumping rate into railcars from T-65:

Loading rate for 2 racks

% Pitch transferred from T-65 to T-68

Pitch transfer pumping rate from T-65 to T-68

Heavy oil pumping rate: Heavy Oil Annual Usage: 150,000 tons/yr

1,100 gallons/min

60 % of total pitch production

55.5 tons/hr, based on 37 tons loaded per 40 minutes

40 % of total pitch production

58.0 tons/hr, based on 87 tons loaded per 90 minutes

116.0 tons/hr Phase II added a rack

60.0 % of total pitch production

70.0 tons/hr

23 tons/hr, based on 1,200 gal/15min, and a density of 9.6 lbs/gal

375 tons/yr, based on 1997 actual heavy oil usage of 42,421 gal times the ratio of potential pitch production (70,000 tons) over 1997 actual

pitch production (38,000 tons)

#### Calculations:

Transfer Description	Amount per Charge (tons)	, ,	Annual Amount Transferred (tons/yr)	Annual Transfer Time (hours)	Annual Number of Transfers	T-65 fume hours	T-68 fume hours	Total hours
Pitch loading from Docks	NA	297	150,000	505	NA	621		621
From T-68 to trucks	37	55.5	90,000	1,622	2,432		6486	6,486
From T-65 to rail	87	116.0	60,000	517	690	1,897		1,897
From T-65 to T-68	1200	70.0	90,000	1,286	75		1436	1,436
Heavy Oil transfer	5.76	23	375	16	65	73	73	146
TOTALS:				3,946	3,262	2,591	7,995	10,586

Assume all transfers are done independently and that the fume recoverys are at high capacity (1,050 scfm). Assume one hour before and after each transfer, 2 start/stop sequences. Therefore, the total fume recovery operating hours can be calculated as follows:

Actual case: fume recovery will run almost all of the time, many transfers will be done together.

Annual Operating Time:

100 % annual operating time -

Phase 1

Unit ID	Heat Input (MM BTU/Hr)	Fuel Used	Hourly Potential Fuel Use (Mgal/hr) (mmcf/hr)	Annual Potential* Fuel Use (Mgal/yr) (mmcf/yr)	Emission Factor NOx (lb/Mgal) (lb/mmcf)	NOx (lb/hr)	NOx (tpy)	Emission Factor VOC (lb/Mgal) (lb/mmcf)	VOC (lb/hr)	VOC (tpy)	Emission Factor CO (lb/Mgal) (lb/mmcf)	CO (lb/hr)	CO (tpy)	Emission Factor SO2 (lb/Mgal) (lb/mmcf)	SO2 (lb/hr)	SO2 (tpy)	Emission Factor PM-10 (lb/Mgal) (lb/mmcf)	PM-10 (lb/hr)	PM-10 (tpy)
Atlas Boiler	21	Oil	0.15	302.40	20.00	3.00	3.02	0.20	0.03	0.03	5.00	0.75	0.76	71.00	10.65	10.74	2.00	0.30	0.30
		Gas	0.02	135.66	140.00	2.82	9.50	2.78	0.06	0.19	35.00	0.70	2.37	3.80	0.08	0.57	6.20	0.12	0.94
Hot Oil Heater	8.5	Oil	0.061	122.40	20.00	1.22	1.22	0.20	0.01	0.01	5.00	0.31	0.31	71.00	4.33	4.35	2.00	0.12	0.12
		Gas	0.01	54.91	100.00	0.81	2.75	5.28	0.04	0.14	21.00	0.17	0.58	3.80	0.03	0.26	4.50	0.04	0.31
New Hot Oil Heater	10	Oil	0.071	144.00	20.00	1.42	1.44	0.20	0.01	0.01	5.00	0.36	0.36	71.00	5.04	5.11	2.00	0.14	0.14
		Gas	0.01	64.60	140.00	1.34	4.52	2.78	0.03	0.09	35.00	0.34	1.13	3.80	0.04	0.23	6.20	0.06	0.38
Total			_				22.451			0.481			5.503			21.257			2.191

<sup>\*</sup> Based on 2,016 hours/year of fuel oil combustion and 6744 hours/yr of natural gas combustion oil combustion = 12 wks/yr x 7 days/wk x 24 hrs/day = 2016 hrs natural gas combustion = 8760 hrs - 2016 hrs = 6744 hrs

- \* Assumed higher heating value of #2 Fuel Oil = 140,000 BTU/gal
- \* Higher Heating Value Natural Gas = 1044 BTU/cuft
- \* Emission Factors are taken from the AP-42, Section 1.3, Jan., 1995
- \* SO2 Emission Factor calculated by assuming 0.5% S in Oil
- \* Calculation for criteria pollutants during oil combustion = (max input in mm BTU/hr) / (higher heating value mm BTU/gal) X (2016 hr/yr) / (1000 gal/Mgal) x (Criteria emission factor lb/Mgal) / 2000 lbs/ton
- \* Calculation for criteria pollutants during natural gas combustion = (max input in mm BTU/hr) / (higher heating value mm BTU/mmcf) X (6744 hr/yr) x (Criteria emission factor lb/mmcf) / 2000 lbs/ton
- \* Assumed PM = PM-10

#### Maximum Potential Emissions from Natural Gas Combustion, Koppers Industries, Inc., Portland Tar Plant

Unit ID	Heat Input (MM BTU/Hr)	Fuel Used	Hourly Potential Fuel Use (mmcf/hr)	Annual Potential* Fuel Use (mmcf/yr)	Emission Factor NOx (lb/mmcf)	NOx (lb/hr)	NOx (tpy)	Emission Factor VOC (lb/mmcf)	VOC (lb/hr)	VOC (tpy)	Emission Factor. CO (lb/mmcf)	CO (lb/hr)	CO (tpy)	Emission Factor SO2 (lb/mmcf)	SO2 (lb/hr)	SO2 (tpy)	Emission Factor PM-10 (lb/mmcf)	PM-10 (lb/hr)	PM-10 (tpy)
Atlas Boiler Hot Oil Heater New Hot Oil Heater	21 8.5 10	Gas Gas Gas	0.02 0.01 0.01	176.21 71.32 83.91	140.00 100.00 140.00	2.82 0.81 1.34	12.33 3.57 5.87	2.78 5.28 2.78	0.06 0.04 0.03	0.25 0.19 0.12	35.00 21.00 35.00	0.70 0.17 0.34	3.08 0.75 1.47	3.80 3.80 3.80	0.08 0.03 0.04	0.33 0.14 0.16	6.20 4.50 6.20	0.12 0.04 0.06	0.55 0.16 0.26
Total				331.437			21.774		***************************************	0.550		-	5.301			0.630			0.967

<sup>\*</sup> Based on 8760 hrs/yr of operation

Higher Heating Value Natural Gas = 1044 BTU/cuft

Emission Factors are taken from the AP-42, Section 1.4, Jan., 1995

Assumed PM = PM-10

Calculation for criteria pollutants = (max input in mm BTU/hr) X (Criteria emission factor) X (8760 hr/yr) / (2000 lbs/ton \* 1044 BTU/SCF)

#### Maximum Fugitive Equipment Leak Emissions, Koppers Industries. Inc., Portland Terminal

Reference: Protocol for Equipment Leak Estimates EPA-453/R-95-017, Average Emission Factors, Table 2--1

## Heavy Oil Fugitive Equipment Leaks Tanks 67

Process Description	Number in service	Emission Factor (lb/hr/source)	Hours (year)	Emission (lb/hr)	Emission (lb/yr)
Pump seals	3	0.01899	13	0.06	0,
Valves (in line)	23	0.00051	13	0.01	0.
Pressure relief valves	0	0.22907	13	0.00	0.
Open ended valves	1	0.00374	13	0.00	0.
Flanges	57	0.00403	13	0.23	2.
		Total emissions		0.30	3.5

Assume pumping rate	200	gpm			
Hours = 2 * gals throughput/gpm pump rate/60	)=		77,143	*2 /60 =	12.9
			200		

Pitch: Storage Fugitive Equipment Leak									
Process Description	Number In service	Emissions (lb/hr/source)	Hours year	Emission (lbs/hr)	Emission (lb/yr)				
Pump seals	5	0.01899	2,273	0.09	215.76				
Valves (in line)	31	0.00051	2,273	0.02	35.69				
Pressure relief valves	0	0.22907	2,273	0.00	0.00				
Open ended valves	5	0.00374	2,273	0.02	42.55				
Flanges	68	0.00403	2,273	0.27	622.82				
		Total emissions		0.40	916.82				
Assume numning rate	400	) enm							

Assume pumping rate 400 gpm

Hours = 2 \* gals throughput/gpm pump rate/60= 27.272.722 /60 \*2= 2,272.7

400

#### Distillate Fugitive Equipment Leaks Tanks 67 (Existing Case Only)

Process Description	Number In service	Emission Factor (lb/hr/source)	Hours (year)	Emission (lb/hr)	Emission (lb/yr)
Pump seals	3	0.01899	8	0.06	0.
Valves (in line)	23	0.00051	8	0.01	0.
Pressure relief valves	0	0.22907	8	0.00	0.
Open ended valves	1	0.00374	8	0.00	0.
Flanges	57	0.00403	8	0.23	1.
		Total emissions		0.30	2.

Assume pumping rate 200 gpm

Hours = 2 \* gals throughput/gpm pump rate/60= 45,000 \*2 /60 = 7.5

## Heavy Oil: Storage Fugitive Equipment Leak Tank 33

Process Description	Number In service	Emissions (lb/hr/source)	Hours year	Emission (lb/hr)	Emission (lb/yr)
Pump seals	1	0.01899	75	0,02	1.42
Valves (in line)	7	0.00051	75	0.00	0.27
Pressure relief valves	0	0.22907	75	0.00	0.00
Open ended valves	0	0.00374	75	0.00	0.00
Flanges	18	0.00403	75	0.07	5.44
	·· · · · · · · · · · · · · · · · · · ·	Total emissions		0.10	7.13

Assume pumping rate	80	gpm					
Hours = 2 * gals throughput/gpm pump rate/60=	=		180,000	/60	٠	2=	75.0
			80				

Process Description	Number In service	Emissions (lb/hr/source)	Hours year	Emissions (lb/hr)	Emission (lb/yr)
Pump seals	2	0.01899	1,136	0.04	43.15
Valves (in line)	11	0.00051	1,136	0.01	6.33
Pressure relief valves	0	0.22907	1,136	0.00	0.00
Open ended valves	2	0.00374	1,136	0.01	8.51
Flanges	33	0.00403	1,136	0.13	151.13
		Total emissions		0.18	209.12

Assume pumping rate 400 gpm

Hours = \* gals throughput/gpm pump rate/60= 27.272.727 /60 = 1,136.4

TOTALS FOR EXISTING CASE ONLY - i.e T67 containing Distillate  $0.98 \quad lb/hr \\ 1135.34 \quad lb/yr$ 

TOTAL FOR OTHER CASES - I.e. T67 containinf Heavy Oil 0.98 lb/hr 1136.96 lb/yr

#### Maximum Potential Emissions from Uncontrolled Loading, Koppers Industries, Inc., Portland Terminal

#### Existing Case Only

Reference: AP-42, 1995, Section 5.2, "Transporation and Marketing of Petroleum Liquids"

Process Description	Label	Temp.	Vapor MW (lb/lb-mole)	V <sub>p</sub> (psia)	Saturation Factor	Throughput (Mgal/min)	Throughput (Mgal/yr)	L <sub>L</sub> (lb/Mgal)	L <sub>L</sub> (lb/yr)	L <sub>L</sub> (lb/hr)
Tank 67 to Rail	P1/P13 Distillate	170	128.34	0.0386	1.45	0.20	36	0.1422	5	1.71

Throughput given by Amos 10/26/98 ROTC

Tank	Commodity	Vapor MW	Temp deg F	Temp deg R	PVA psia	Pump Rate Gal/min	VOC Emissions (lb/hr)	
67	Heavy Oil	139.56	200	660.0	0.0097	100.00	0.15	
33	Heavy Oil	143.22	250	710.0	0.0302	80.00	0.37	
67	P1/P13 Distillate	128.34	170	630.0	0.0386	100.00	0.59	Existing Case Only

Pound per hour (lb/hr) tank emissions were calculated as follows

gal	60 min	cf	lb-mol	MW lb	PVA	530 R	= lbs/hr
min	hr	7.48 gal	385 cf	lb-mol	14.7 psia	TB deg R	

Emissions from T-67, Koppers Industries,  ${\it lnc.}$ , Portland Terminal Existing Case Only

Reference: AP-42, Jan. 1995, Liquid Organic Stora	ige Tanks		
Tank ID T-67	Description	P1/P13 Disti	llate
City Portland	State	OR	
Company Koppers Industries, Inc.			
Tank Information			
Diameter (D)		24.25	
Shell Height (H <sub>s</sub> )		28.5	
Liquid Height (H <sub>L</sub> )		14.3	ft
Tank Volume		90,000	-
Annual Throughput (assumed = remaining material	1)	45,000	-
Number of Turnovers			turnovers
Is Tank Heated (Y/N)?		Y	
Breather Vent Pressure Range (P <sub>B</sub> )		0.00	psia
Paint solar absorbance (primer, good) ()		0.89	
Solar Insolation (I) for Portland, OR		1,067	Btu/f2-day
Content Information		<del></del> -	
Vapor Molecular Weight (M <sub>v</sub> )			lb/lb-mole
Vapor Pressure @ Average Daily Temp (PvA)			psia @ 170 F
Daily Average Ambient Temp (T <sub>AA</sub> )		538	°R
Daily Max Ambient Temp (TAX)		548	°R
Daily Min Ambient Temp (T <sub>AN</sub> )		528	°R
Daily Ambient Temp Range (TA)		20	°R
Daily Average Liquid Surface Temperature		630	°R
Maximum Liquid Surface Temperature		640	°R
Minimum Liquid SurfaceTemperature		620	°R
Bulk Liquid Temperature Range		20	°R
Maximum Liquid Surface Temp (T <sub>LX</sub> )		640.00	°R
Minimum Liquid Surface Temp (T <sub>LN</sub> )		620.00	°R
Average Liquid Surface Temp (T <sub>LA</sub> )		630.00	°R
Vapor Pressure @ Max Liq. Surface Temp(PLX)		0.0500	psia
Vapor Pressure @ Min Liq. Surface Temp (PLN)		0.0297	psia
Vapor Pressure Range (P <sub>V</sub> )		0.02032	-
V <sub>V</sub> =	6,698 ft <sup>3</sup>		
$T_{LA} = (0.44T_{AA}) + (0.56T_B) + (0.0079I)$	=	629.44	
$T_{\mathbf{B}} = T_{\mathbf{A}\mathbf{A}} + (6) - 1$	=	629	°R
Wv =	$0.0007 \text{ lb/ft}^3$		•
$K_E =$	0.024		
$T_v = (0.72 * T_A) + 0.028I$	=	14.4	°R
K <sub>S</sub> =	0.971		
$L_{s}(2/96) =$	42.3 lb/yr		
WORKING LOSSES			
$L_{W} = 0.0010 M_{v} P_{vA} Q K_{N} K_{P} =$	5.3 lb/yr		
$ \begin{array}{c} \text{TOTAL LOSSES} \\ L_s + L_w =  \end{array} $	47.6 lb/yr		
·/	<b>.</b>		

## Emissions from T-67, Koppers Industries, Inc., Portland Terminal

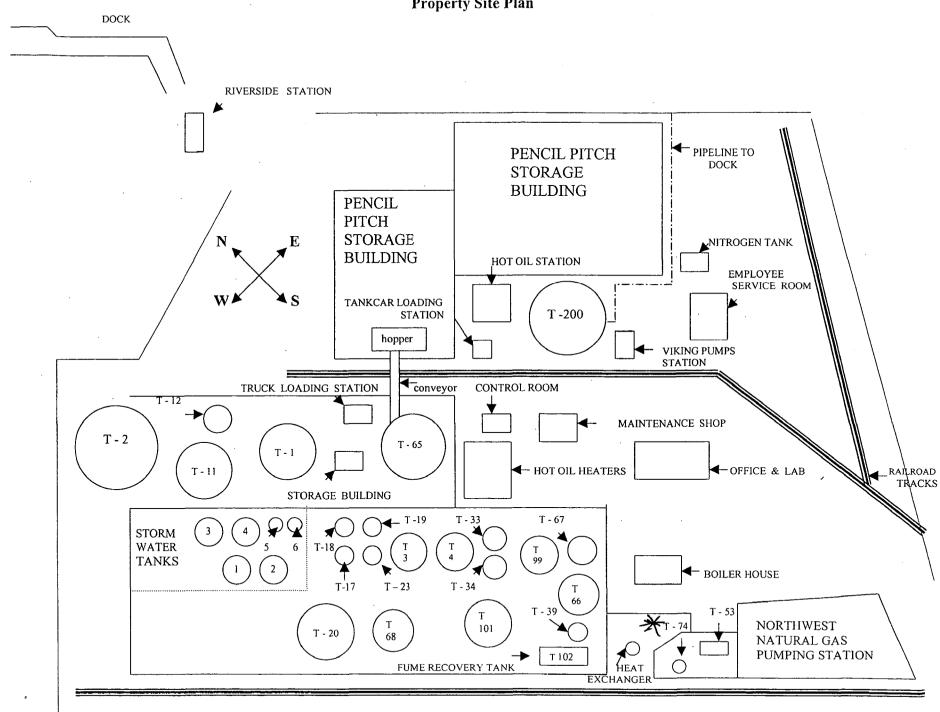
	42, Jan. 1995, Liquid Organic		Haarri Oil	
Tank ID	T-67 Portland	_ Description State	Heavy Oil OR	
City Company	Koppers Industries, Inc.	- State	OR	
Tank Informat	lon		24.25	Α
Diameter (D)	1)		24.23	
Shell Height (H			26.3 14.3	
Liquid Height (	<del></del> -			deg F
Liquid Tempera Tank Volume	nure (F)		90,000	_
Annual Through	hout		77,143	· ·
Number of Turn	•			turnovers
Is Tank Heated			Y	
	Pressure Range (P <sub>B</sub> )			psia
	orbance (primer, good) ()	•	0.89	F
	(I) for Portland, OR			Btu/f <sup>2</sup> -day
Content Inform	nation			
Vapor Molecula	ar Weight (M <sub>v</sub> )		139.56	lb/lb-mole
Vapor Pressure	@ Average Daily Temp (PvA)	•	0.0097	psia
Daily Average	Ambient Temp (T <sub>AA</sub> )	•	538	°R
Daily Max Amb	pient Temp (T <sub>AX</sub> )		548	°R
Daily Min Amb	ient Temp (T <sub>AN</sub> )		528	°R
Daily Ambient	Temp Range (T <sub>A</sub> )		20	°R
Daily Average I	iquid Surface Temperature		660	°R
	id Surface Temperature		670	°R
Minimum Liqui	id SurfaceTemperature		650	°R
Bulk Liquid Te	mperature Range		20	°R
Maximum Liqu	id Surface Temp (T <sub>LX</sub> )		670.00	°R
Minimum Liqui	id Surface Temp (T <sub>LN</sub> )		650.00	°R
Average Liquid	Surface Temp (T <sub>LA</sub> )		660.00	°R
Vapor Pressure	@ Max Liq. Surface Temp(P1	$(\mathbf{x})$	0.0123	psia
Vapor Pressure	@ Min Liq. Surface Temp (P)	<sub>LN</sub> )	0.0076	psia
Vapor Pressure	Range (P <sub>V</sub> )		0.00466	psia
BREATHING	LOSSES	<u> </u>		
Vv =		6,698 ft <sup>3</sup>		
$H_{VO} = (H_S - H_L)$	+ H <sub>RO</sub> )	=	14.50	
$T_{LA} = (0.44T_{AA})$	$+(0.56T_{\rm B})+(0.0079I)$	=	659.44	°R
$T_B = T_{AA} + (6)$	- 1	<u>,</u> =	659	°R
$\mathbf{W}\mathbf{v} =$		0.0002 lb/ft <sup>3</sup>		
$K_E =$		0.022		
$T_v = (0.72 * T_A)$	+ 0.0281	=	14.4	°R
$K_S =$		0.993		
$L_{s}(2/96) =$		10.3 lb/yr		
WORKING L	OSSES			
$L_{\rm W} = 0.0010 \; {\rm M}$	$_{\rm V}P_{\rm VA}QK_{\rm N}K_{\rm P}=$	2.5 lb/yr		
TOTAL LOSS				
$L_s + L_w =$		12.8 lb/yr	*	
		<b>y</b> - , .		

Reference: AP-42, Jan. 1995,	Liauid	Organic Storage Tanks
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Tank ID	T-33	Description	Heavy Oil
City	Portland	State	Oregon
Company	Koppers Industries, Inc.		
Tank Informa	tion		
Diameter (D)			18.0 ft
Shell Height (I	$H_s$ )		24.0 ft
Liquid Height	$(H_L)$		<i>12</i> ft
Liquid Temper	rature (F)		250 deg F
Tank Volume			45,000 gal
Annual Throug	<u>t</u> hput		180,000 gal
Number of Tur			4.0 turnovers
Is Tank Heated			Y
	Pressure Range (P <sub>B</sub> )		0.00 psia
Paint solar abs	orbance (primer, good) ()		0.89
Solar Insolation	n (I) for Portland, Oregon		$1,067$ Btu/ $f^2$ -day
Content Infor			·
-	ar Weight (M <sub>v</sub> )		143.22 lb/lb-mole
	e @ Average Daily Temp (P <sub>VA</sub> )		0.0302 psia
Daily Average	Ambient Temp (T <sub>AA</sub> )		538 °R
Daily Max Am	bient Temp (T <sub>AX</sub> )		548 °R
Daily Min Am	bient Temp (T <sub>AN</sub> )		528 °R
Daily Ambient	Temp Range (T <sub>A</sub> )		20 °R
Daily Average	Liquid Surface Temperature		710 °R
Maximum Liq	uid Surface Temperature		<b>72</b> 0 °R
Minimum Liqu	iid SurfaceTemperature		700 °R
Bulk Liquid Te	emperature Range		20 °R
Maximum Liq	uid Surface Temp (T <sub>LX</sub> )		720.00 °R
Minimum Liqu	id Surface Temp (T <sub>LN</sub> )		700.00 °R
Average Liquio	d Surface Temp (T <sub>LA</sub> )		710.00 °R
Vapor Pressure	@ Max Liq. Surface Temp(P <sub>LX</sub> )		0.0373 psia
Vapor Pressure	@ Min Liq. Surface Temp (P <sub>LN</sub> )		0.0243 psia
Vapor Pressure	Range (P <sub>V</sub> )		0.01309 psia
BREATHING	LOSSES		
$\mathbf{V}\mathbf{v} =$	•	3,101 ft <sup>3</sup>	
$H_{VO} = (H_S - H_I)$	$+H_{RO}$ )	=	12.19
$T_{1.A} = (0.44T_{A})$	$(0.56T_B) + (0.0079I)$	=	709.44 °R
$T_B = T_{AA} + (6)$		= ,	709 °R
Wv =		$0.0006 \text{ lb/ft}^3$	
$K_E =$		0.021	
$T_v = (0.72*T_A)$	± 0.028I	=	14.4 °R
K <sub>S</sub> =		0.981	
$L_{S}(2/96) =$		13.3 lb/yr	
WORKING I	OSSES		_
$L_{\rm W} = 0.0010 \ { m M}$	$I_V P_{VA} Q K_N K_P =$	18.5 lb/yr	]
TOTAL LOSS	SES		_
$L_S + L_W =$		31.8 lb/yr	]

TITY SAD N.W. St. Helens Rd.	KOODERS INC.			OBSE	NATION	DATE 7-0	3	START	TIME 4 A.A	ENO TIME
TOTAL DE STATE DE SOURCE DI NAMES DE SOURCE DI NAMES DE SOURCE DI NAMES DE SOURCE DI NAMES DE SOURCE DI NAMES DE SOURCE DI NAMES DE SOURCE DI NAMES DE SOURCE DI NAMES DE SOURCE DE NAMES DE NAMES DE SOURCE DE NAMES DE N	STREET ADDRESS 7540 N.W. St. Helens	Rđ.								COMMENTS
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PERMENDING SOUND LEVE.  PROBLEM RECOVERY System OPERATING MODE  7  DESCRIBE BASSION PORT 221nch diameter stack On top of recovery tank  1  1  1  1  1  1  1  1  1  1  1  1  1				.4	10	15	15	15		
DESCRIBE EMISSION POINT  221nch diameter stack  On top of recovery tank.  It is is a series of the	PROCESS EQUIPMENT			· 5	10	15	10	10		
DESCRIBE EMISSION POINT  22inch diameter stack  on top of recovery tank  in the same  25 ft.  Sar 11ft. en Same  10 DISTANCE FROM DESERVER  Sar 11ft. en Same  10 DISTANCE FROM DESERVER  Sar 1 Sar 1 Sar 1 Same  DESCRIBE DAMSSONS  San 1 Sar 1 Sar 1 Same  Sar 1 Sar 1 Sar 1 Same  DESCRIBE DAMSSONS  Sar 1 Sar 1 Sar 1 Same  DESCRIBE PLUME AVONCH CHART MASS DETERMANED  Sar 1 Sar				<u> </u>	10	10	15	15		
22 21 ACCOMPANY SETS AND STREET OF STATE OF CONTROL OF STATE OF STATE OF CONTROL OF STATE OF STATE OF CONTROL OF STATE O								<u> </u>		
On top of recovery tank.  HEIGHT ABOVE GROUND LEVE.  25 ft.  Sun Lift. End Same  Som Lift. End Same  Som John State Promossory  Som John State Pluse  EMISSION COLOR  Som John State Pluse  Som John	1 = =			-						
HEIGHT ABOVE GROUND LEVE. HEIGHT REATHER TO DESERVER  25 ft. Sam III ft. to disame  DISTANCE MICH SERVER  DIST				-			<u> </u>			
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## **Property Site Plan**





## Department of Environmental Quality Northwest Region Portland Office

2020 SW 4<sup>th</sup> Avenue, Suite 400 Portland, OR 97201-4987 (503) 229-5263 FAX (503) 229-6945

TTY (503) 229-5471

November 29, 2004

T.J. TURNER GENERAL FORMAN KOPPERS INC 7540 NW SAINT HELENS ROAD PORTLAND OR 97210

RE: Notice of Noncompliance

NWR-04-040 ORD027734359 Koppers Inc Hazardous Waste Violations Multnomah County

Dear Mr. Turner:

I reviewed the information that you have submitted for the violations documented at the Koppers facility located at 7540 NW Saint Helen Road in Portland, Oregon to demonstrate compliance with the above referenced Notice of Noncompliance (Notice). Koppers has supplied the required documentation to demonstrate compliance. However; I would like to make you aware of concerns regarding Koppers understanding regarding requests for requirements documentation.

In your response Koppers has stated that your facility is not in violation with any of the requirements because you were able to provide the requested documentation after the fact. These documents could have been produced after the fact and they were not made available at the time of the inspection. I made three requests for these documents.

During my initial inspection with Mr. Turner, the second when returned to the site several days later and met with Mr. Amos Krammer and the Corporate Environmental person by phone. My last request was made during the closing conference where I stated the violations to be cited and what I would be requesting to demonstrate compliance. Records must be made available at the time of the inspection and a failure to do so is a violation of ORS 466.090. Therefore, these violations in fact did occur. I wish to make Kopper's aware that they are regulated under other permits with the City of Portland and with the Department. It is important that Koppers understands that Departments position with respect to complying with documentation requests.

This case will not be forwarded on the Department's Enforcement Section at this time. However, the other programs within the Department will be made aware of the issue with documentation requests, and failure to provide documentation during a future inspection could lead to an enforcement action.

I am considering the violations that were cited closed, and the Department will not be pursuing a further action regarding this Notice. If you have any questions concerning this Notice, you may contact me at (503) 229-6105.

Sincerely,

Rebecca Paul

Natural Resource Specialist

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(files)

cc: Office of Compliance and Enforcement, DEQ

CC: J. Dietz , K-1650 T. Self , K-1800 12/14/04 This case will not be forwarded on the Department's Enforcement Section at this time. However, the other programs within the Department will be made aware of the issue with documentation requests, and failure to provide documentation during a future inspection could lead to an enforcement action.

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Sincerely,

Rebecca Paul

Natural Resource Specialist

(files)

cc: Office of Compliance and Enforcement, DEQ

CC: J. Dretz, K-1650 T. Self, K-1800 12/14/04



### Department of Environmental Quality Northwest Region Portland Office

2020 SW 4<sup>th</sup> Avenue, Suite 400 Portland, OR 97201-4987

(503) 229-5263

FAX (503) 229-6945 TTY (503) 229-5471

September 20, 2004

CERTIFIED MAIL

T.J. Turner General Forman Koppers Inc 7540 NW Saint Helens Road Portland, OR 97210

> RE: Notice of Noncompliance

NWR-04-040 ORD027734359 Koppers Inc Hazardous Waste Violations Multnomah County

#### Dear Mr. Turner:

This Notice of Noncompliance (hereinafter called "Notice") is issued in accordance with Oregon Administrative Rules (OAR) 340-12-041(1) for hazardous waste violations documented by the Oregon Department of Environmental Quality (the Department) at the Koppers Inc facility, located at 7900 NW Saint Helens Rd, Portland, Oregon, in Multnomah County. The violations were identified during the September 13, 2004 hazardous waste inspection.

The purpose of this Notice is to inform you of violations that have been identified so that you can begin to take action to correct them. Based upon your response to these violations and upon completion of the Department's investigation, additional violations may be identified. The Department will inform you in a subsequent Notice of Noncompliance if additional violations need to be corrected.

The inspection was scheduled and conducted to determine whether hazardous waste management activities at your Portland facility are in compliance with the applicable state and federal hazardous waste regulations. These regulations are found in OAR 340 and the Code of Federal Regulations (40CFR 260-270 and 279).

As a result of this inspection, Koppers Inc was determined to be a Large Quantity Generator, (LQG) of hazardous waste, based on monthly generation of more than 2,200 pounds of hazardous waste in 2002 and 2003. The facility is currently a Conditionally

Exempt Generator, (CEG) but there is a potential for the Koppers to be an LQG in the future, therefore the following LQG violations are cited:

#### **Hazardous Waste Violations**

Violation 1 - Class 2: 40 CFR § 262.34(a)(4) as it refers to 40 CFR § 265.17(d)(1) requires a generator to maintain onsite a written list of the job descriptions of all positions related to hazardous waste management and the name of the employee who is filling that job position.

Violation 2 - Class 2: 40 CFR § 262.34(a)(4) as it refers to 40 CFR § 265.37(a)(3) requires a generator to make arrangements with state emergency response authorities. The facility was unable to document those arrangements with the police and the hospital. The facility did have documentation for the arrangements that they made with the Fire Department and some other agencies

Violation 3 - Class 2: 40 CFR § 262.34(a)(4) as it refers to 40 CFR § 265.52(e) requires a generator to update the Spill Contingency Plan to include a complete list of emergency equipment. The facility had a list of the equipment and the location of that equipment however, the list must also include the capabilities of that equipment to be complete.

Violation 4 - Class 2: 40 CFR § 262.34(a)(1)(i) as it refers to 40 CFR § 265.174 requires a generator to develop and execute a plan for weekly inspections of the hazardous waste container storage area. Plans for the facility were reviewed and they stated that drums were stored prior to waste shipments. At the time of the inspection there were no drums in the storage area. The facility was not generating any waste at the time of inspection but has stored waste on-site in the past. No inspection documentation could be provided to show compliance.

These are Class 2 violations are considered to be significant violations of Oregon environmental law. Should you fail to correct these violations or should similar violations occur during future inspections than we will be referred to the Department's Office of Compliance and Enforcement with a recommendation to proceed with a formal enforcement action. A formal enforcement action may include a civil penalty assessment for each day of violation.

#### **Corrective Action**

Kopper's is to immediately begin correcting the violations identified in this Notice and inform the Department of the actions taken to correct these violations and prevent their recurrence. Please take the following immediate actions:

Violation 1: Maintain onsite a written list of the job descriptions of all positions related to hazardous waste management. You will also want to include specific hazardous waste tasks as part of those work descriptions. Not only were these

descriptions lacking a specific employee names, the tasks stated were not specific to hazardous waste management and handling.

Violation 2: Make arrangements with state emergency response authorities. Please send notifications and a copy of your Spill Contingency Plan to the local Police Department and Hospital via certified mail. Supply a copy of the letter sent and the certified mail receipts to the Department.

**Violation 3:** Update the Spill Contingency Plan to include a list of emergency equipment and the capabilities of that equipment.

**Violation 4:** Develop and execute a plan for weekly inspections of the hazardous waste container storage area. Develop an inspection work sheet to be used for facility inspections in the future. These inspections do not need to be implemented until the facility generates waste.

#### **Additional Concerns**

Koppers is in the process of assessing the future of the company's business in Oregon. Currently, the facility has one full-time staff person and three part-time staff members. One area inspected was the coal tar pitch storage area. The coal tar is stored in steel building on the site, which would not meet the standards for hazardous waste storage. As part of the process coal tar is placed in this building for processing. The coal tar is heated so that it can be shipped to Koppers customers in a liquid form. Koppers has not set up the conveyer belt to process coal tar since the first of this year. During the inspection I observed that there was a spill of the liquid material which had hardened. This spilled coal tar had not been reprocessed or clean up the building.

Given that the Koppers is still operating and still has customers who purchase this coal tar, it would be prudent for the Koppers to clean out this area and process this material for sale to the customers. Currently, the coal tar is regulated as a product. The facility has generated some of this waste in the past. When it was generated it was managed as a Hazardous waste as a TCLP waste stream due to the presence of Benzene. According to the manager at that time the waste was not tested to determine if the material was a hazardous waste. He said, they used process knowledge and decided to take a conservative approach and manage the material as a hazardous waste. No TCLP data could be provided.

Because this material requires reclamation and it appears to be hazardous it may be covered under the speculative accumulation rules, which means that 75% of the material must be processed within one calendar year. According to personnel none of this material has been processed in the last nine months.

Please inform the Department on how the facility plans to proceed with the management of this area. If Koppers plans to process the coal tar please make arrangements with the Department for a re-inspection. Should Kopper's choose not to reprocess the coal tar, a

recommendation will be made to schedule the facility for a re-inspection in January. At that time we will be requesting processing records and a waste determination.

#### **Pollution Prevention**

This Notice does not require you to implement pollution prevention. However, the Department strongly recommends you consider pollution prevention options, where applicable, to prevent the violations outlined in this notice from recurring. Pollution prevention may also enable you to reduce environmentally driven costs, reduce operating costs, and reduce the regulatory requirements and fees applied to you.

You may accomplish pollution prevention by:

- 1. Improving process efficiency.
- 2. Reducing use of energy, chemicals or raw materials.
- 3. Reducing amounts or toxicity of pollutants, discharges, wastes and emissions.

#### **Required Response**

Within thirty days of receipt of this Notice, unless otherwise stipulated above, the Department requests a written response. The response must include a description of the measures that have been taken, or are proposed to be taken, to correct and control each violation outlined in this Notice. Include a description of the measures taken to prevent the violation from recurring.

You may also include a description of any steps you have taken to implement pollution prevention recommendations.

Please send **two** copies of your response to:

Rebecca Paul Department of Environmental Quality 2020 SW Fourth, Suite 400 Portland, OR 97201

If you have any questions concerning this Notice, you may contact me at (503) 229-6105.

Sincerely,

Rebecca Paul

Natural Resource Specialist

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cc: Office of Compliance and Enforcement, DEQ



Department of Environmental Quality

Northwest Region Portland Office

2020 SW 4th Avenue, Suite 400 Portland, OR 97201-4987 (503) 229-5263

FAX (503) 229-6945 TTY (503) 229-5471

September 30, 2004

T.J. Turner General Forman Koppers Inc 7540 NW Saint Helens Road Portland, OR 97210

> Copy of Inspection Report. RE:

> > NWR-04-040 ORD027734359 Koppers Inc

Hazardous Waste Violations

Multnomah County

Dear Mr. Turner:

Enclosed is a copy of the inspection report for the Koppers facility. The report is done to detail the activities and discussion that occurred at the during the facility inspection. I am sending this to you to provide you any additional information you may need to address the corrections to the Notice that were requested by the Department.

If you have any questions concerning this letter or the Notice, you may contact me at (503) 229-6105.

Sincerely,

Rebecca Paul

Natural Resource Specialist

(files)

cc: Office of Compliance and Enforcement, DEQ

Date: September 16, 2004

To:

File

From:

Rebecca Paul: Northwest Region

Subject:

Inspection Report on Koppers Company.

On September 9 and September 14, 2004, I performed an inspection of the Koppers Company located at 7540 NW Saint Helens Road in Portland, Oregon. This inspection was done as a routine compliance inspection and to determine the facility's compliance with the Department's Hazardous Waste regulations. I was escorted through the facility by Mr. TJ Turner the facility's General Foreman. On the second day of the inspection, I met with Mr. Amos Kamerer, who is a Semi-Retired Manager of the facility.

#### **Generator Status:**

The facility was registered as a Large Quantity Generator (LQG), and was operating as an LQG for the years 2002, and 2003. Currently, the facility is a Conditionally Exempt Generator, (CEG). However Koppers may be an LQG in the future depending on how they decide to manage and characterize their waste streams in the future.

#### Site Inspection:

The facility was not operating at the time of the inspection. The Department has been out to this facility in years past mostly on compliant investigations. The facility is routinely inspected due to its water quality permit. There are several areas of the facility that were in the process of being cleaned and put out of service. According to Mr. Turner this work was being done while the facility's management back east was deciding what the future of the company was going to be. I asked Mr. Turner about the process in order to understand the waste streams that were generated. I received furthermore clarification during my subsequent meeting with Mr. Kamerer.

The facility receives by-products from the coal industry. The two main products that they handle are coal tar pitch and creosols. The coal tar is received in a solid form and is commonly referred to as pencil pitch. The creosol was received in its liquid form but Koppers discontinued handling creosol several years ago. The creosol as used as a treatment chemical for railroad ties, phone poles, and in some cases as an additive to roofing compounds. The majority of the waste that was generated from the facility was related to the cleaning of the tanks that once contained the creosol.

Currently, Koppers is only servicing the contracts that they have place for two aluminum plants in the Northwest. The coat tar pitch is used to make the pot liners for the aluminum industry. They had contracts with many of the smelters in the northwest. Some of those smelters have

since shut down so the company is in the process of servicing the two remaining smelters in the area. According to Mr. Turner, Koppers will be evaluating in December if the Portland operation will continue to exist. As a result of the lost of business, the facility has cleaned out 20 product storage tanks at the facility, and is currently only using six tanks for their operation.

The process of making the coat tar pitch saleable requires that the facility changes its form from a solid to a liquid material. The raw material is stored in a large medal building onsite. The material is placed on a conveyer belt and is fed in to a heating unit. The material is heated to about 350 ° F to turn the material into a liquid. The liquid material is then placed into tanker trucks for transportation. Currently, the facility is shipping out three truck loads per day, three to four days per week. Mr. Turner and I toured the facility and there was no activity going on at the time. There were no waste drums in storage. The majority of the tanks that had been cleanout were labeled as being "out-of service". There were some drums stored on the west side of the building but these drums were empty. We then toured the raw product area where dry coal tar is stored. During my past inspections at the facility there were large piles of material in this building. This time there were some very small piles of materials which mostly appeared to be residues of previously heated materials. There was medal crating in between the asphalt floor and the walls. A fair amount of dry coat tar had collected in these areas. A spill of previously heated coal tar was observed on the floor in this building. I asked Mr. Turner about this spill. He said that one the truck was overweight so it was returned to the facility to offload the overweight material. They poured off the liquid material on to the floor of the building and allowed it to harden on the asphalt. He said that he was going to scrape up the material and place it back into the process to be reheated and reused. I asked when this spill occurred and he said the material had been there for six weeks. I asked him when they were planning on running the conveyer. I also asked him when it was last operated. He said that they have not used it since the first of the year which is approximately nine months from the date of this inspection.

We toured the remainder of the facility. There were three drums of used oil stored in drum storage area. These drums were labeled and closed at the time of the inspection. There were no drums of hazardous waste found at the facility.

I then performed a records review which I continued on September 14, 2004. The delay was due to a previous appointment Mr. Turner had. I also had some additional questions regarding the paperwork I reviewed. I needed Mr. Kamerer to clarify some of these issues for me. Mr. Kamerer works a part time schedule. I had some questions regarding the process and the waste streams that were generated. The waste codes on the manifests were listed as U051, and D018. The material was shipped in drums as a solid, in 2003. This material did not use the same shipping name as the creosote which is specifically listed. Mr. Kamerer said that waste was the solid coal tar or pencil pitch not the creosote. I asked him if the material had been tested to determine if it fails to TCLP benzene. He said at the time that he assigned the waste codes to the material because it was less expensive to dispose of this waste as a hazardous waste as opposed to testing it. He said he took a more conservative approach to the disposal. I asked if they had any test results for the coal tar or pencil pitch. During this meeting they contacted their corporate environmental manager. She said that she was not sure if they had TCLP data on the coat tar pitch or not. She said that the information was on the MSDS sheet. I explained that they should have lab results to back up what was on the MSDS sheet. However, the purpose of an MSDS

sheet is for worker safety issues not disposal. Furthermore the disposal of the material, coal tar is regulated as a hazardous waste in its used form, in the aluminum business it is regulated as a listed waste, for Potliner, K061.

I explained my reasoning for asking the questions related to the coat tar pitch. If the material is a hazardous material that requires reclamation prior to its use, the coal tar which is remaining inside the steel building has the potential to become a hazardous waste under the rules of speculative accumulation. The facility must process 75% of the material within one calendar year. Any material that is not processed then becomes a waste and is subject to a waste determination and management as such. Given that all of the information that the facility has provided regarding this material, it may be a hazardous waste for TCLP benzene. Since the facility has customers that use the product, it would be wise for the company to process and sell the material before the year is over. I explained this during the closing conference for the facility.

#### Waste Streams:

<u>Coat Tar Pitch: U051, D018:</u> Koppers characterized this waste stream based on knowledge and they have no supporting lab data. It is likely that the waste stream was mischaracterized for the U051 waste code, and that it may or may not fail for the TCLP benzene.

Waste Creosote: U051, D018: This is waste generated from the cleanout of tanks at the facility. The creosote is a specifically listed under the U-listing for creosote. It is also likely that it would also fail a TCLP analysis for benzene.

#### Manifests and Land Disposal Restriction (LDR) Forms:

The manifests and the LDR forms were reviewed. The facility had all of the signed copies of the manifests. The LDR forms filed for each shipment of waste. All of the manifests were within the 60-day return signature requirement.

In the case of the waste codes that were assigned they may or may not be correct. The personnel Koppers took a more conservative approach to the disposal of this waste, which would is not a violation.

#### **Employee Training:**

The employee training program was reviewed. The personnel were trained in the facility's Spill Contingency Plan and some very basic hazardous waste training. They documented that the training was provided for the two years that they were operating as an LQG. As part of that requirement job descriptions for personnel must be included. The facility had job descriptions however they did not address the tasks associated with hazardous waste responsibilities. It must also include the specific list the person's name who is filling that job title. This is done so the facility and its employees have accountability. Koppers was also not doing weekly inspections of the drum storage area when hazardous waste drums were being stored. Personnel need to be trained on how to perform these inspections. These inspections should be documented in order to demonstrate compliance.

## **Spill Contingency Plan:**

The facility was required to have a formal Spill Contingency Plan as well a formal SPPC plan. The SPPC plan was modified to incorporate the needed additions for hazardous waste. It is required that the plan have a listing of the equipment available to use during a spill. The facility had a list and the location of that equipment however; it was missing a description of capabilities of the equipment.

Koppers has also done some major tank cleaning work. Currently twenty tanks have been cleaned and are not in operation. When major changes occur those changes need to be address in the plan. The facility is required to make emergency notifications to the Fire Department, local Hospital, and the Police Department. The facility a copy to the Fire Department but had not documented that they had sent a copy to the Police and the Hospital.

#### **Satellite Accumulation Areas:**

There were no satellite accumulation areas at the facility.

#### **Drum Storage Area:**

The drums currently being stored in the waste storage area were used oil drums. These drums were labeled and closed at the time of the inspection. When the facility generates any hazardous waste drums they will need to start performing and documenting weekly inspections of this area.

#### Hazardous Waste Tank logs:

The facility was performing weekly inspections and logs for tanks which store products. These tanks do not contain hazardous wastes. The majority of the tanks are empty.

#### **Annual Reports:**

The facility has filed annually, and they have paid their fees for the waste that they generate.

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# Oregon DEO

Home > Programs > Cleanup & Spills > ECSI Query > ECSI Site Details

## **Environmental Cleanup Site Information (ECSI) Database** Site Summary Report - Details for Site ID 2348

This report shows data entered as of September 14, 2004 at 9:49:16 AM

This report contains site details, organized into the following sections: 1) Site Photos (appears only if the site has photos); 2) General Site Information; 3) Site Characteristics; 4) Substance Contamination Information; 5) Investigative, Remedial and Administrative Actions; and 6) Site Environmental Controls (i.e., institutional or engineering controls; appears only if DEQ has applied one or more such controls to the site). A key to certain acronyms and terms used in the report appears at the bottom of the page.

Go to DEQ's Facility Profiler to see a site map as well is information on what other DEQ programs may be active at this site.

#### General Site Information

Site ID: 2348

Site Name: Koppers Industries Inc.

CERCLIS No: 027734359

Address:

7540 NW St. Helens Rd Portland 97210

County: Multnomah

Region: Northwest

Other location

information:

Investigation Status: Suspect site requiring further investigation

NPL Site: No

Orphan Site: No

Study

Property:

Twnshp/Range/Sect: 1N, 1W, 12

Longitude:

Tax Lots: 111

Latitude: 45.5791 deg.

-122.7583 deg.

Site Size: 6.85 acres

Other Site Names:

Pittsburgh Acquisition Corporation, Inc.

#### Site Characteristics

General Site Description:

Site History:

Contamination Information:

See ECSI #183 (Wacker Siltronic).

Manner and Time of Release: Hazardous Substances/Waste

Types:

Pathways:

Environmental/Health Threats:

Status of Investigative or Remedial Evaluation of this site included in Strategy Recommendation for Wacker

Action:

Siltronic. Refer to ECSI #183.

Data Sources:

#### **Substance Contamination Information**

Substance

Media Contaminated

Concentration Level

Date Recorded

No information is available

#### Investigative, Remedial and Administrative Actions

Action

Compl.

Resp. Staff

Lead Pgm

Site added to CERCLIS

07/01/1979

EPA Screening Site Inspection 1

12/23/1987 12/15/1988

No Further Remedial Action Planned under Federal program

12/15/1988 12/15/1988

**EPA Site Inspection Prioritization** 

11/15/1994 02/16/1995

http://www.deq.state.or.us/wmc/ecsi/ecsidetail.asp?seqnbr=2348

9/14/2004

Site Screening recommended (EV)	05/24/1999 05/24/1999	Stephen Fortuna	SAS
Site added to database	05/24/1999 05/24/1999	Janelle Waggy	VCS
REMEDIAL INVESTIGATION (Primary Action)	10/04/2000	Matt McClincy	VCS
Listing Review completed	10/01/2002 10/01/2002	Eric Blischke	VCS
Insufficient information to list	10/01/2002 10/01/2002	Eric Blischke	VCS

Key to certain acronyms and terms in this report:

**CERCLIS No.**: The U.S. EPA's Hazardous Waste Site identification number, shown only if EPA has been involved at the site.

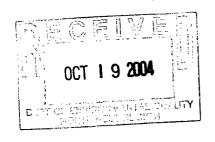
Region: DEQ divides the state into three regions, Eastern, Northwest, and Western; the regional office shown is responsible for site investigation/cleanup.

NPL Site: Is this site on EPA's National Priority List (i.e., a federal Superfund site)? (Y/N). Orphan Site: Has DEQ's Orphan Program been active at this site? (Y/N). The Orphan Program uses state funds to clean up high-priority sites where owners and operators responsible for the contamination are absent, or are unable or unwilling to use their own resources for cleanup. Study Area: Is this site a Study Area? (Y/N). Study Areas are groupings of individual ECSI sites that may be contributing to a larger, area-wide problem. ECSI assigns unique Site ID numbers to both individual sites and to Study Areas.

Pathways: A description of human or environmental resources that site contamination could affect. Lead Pgm: This column refers to the Cleanup Program affiliation of the DEQ employee responsible for the action shown. SAS or SAP = Site Assessment; VCS or VCP = Voluntary Cleanup; ICP = Independent Cleanup; SRS or SRP = Site Response (enforcement cleanup); ORP = Orphan Program.

You may be able to obtain more information about this site by contacting Matt McClincy at (503) 229-5538 or via email at <a href="mailto:mcclincy.matt@deq.state.or.us">mcclincy.matt@deq.state.or.us</a>. If this does not work, you may contact Gil Wistar at (503) 229-5512, or via email at <a href="mailto:wistar.gil@deq.state.or.us">wistar.gil@deq.state.or.us</a> or contact the <a href="mailto:Northwest regional office.">Northwest regional office.</a>

DEQ Online is the official web site for the Oregon Department of Environmental Quality.





Köppers Inc.

Carbon Materials and Chemicals

7540 NW Saint Helens Road Portland, OR 97210-3663 Tel 503 286 3681 Fax 503 285 2831 www.koppers.com

#### 10/15/2004

Rebecca Paul Natural Resource Specialist Oregon Department of Environmental Quality Northwest Region Portland Office 2020 SW 4th Avenue, Suite 400 Portland, Oregon 97201-4987

Subject:

**Notice Of Noncompliance** 

NWR-04-040 ORD027734359 Koppers Inc.

**Hazardous Waste Violations** 

**Multnomah County** 

#### Dear Rebecca:

Koppers received the Notice of Noncompliance on September 21, 2004 and respectively submits this response:

Violation 1–Class 2: 40 CFR 262.34(a)(4) as it refers to 40 CFR 265.17(d)(1) requires a generator to maintain onsite a written list of the job descriptions of all positions related to hazardous waste management and the name of the employee who is filling that job position.

#### Response:

Koppers maintains written job descriptions for each position that specifically lists the Safety, Health and Environmental (SH&E) responsibilities of that position. The job description for the General Foreman and Utility man was provided to you during the inspection along with the training matrix that identified T.J. Turner as the general foreman and Scott Hummel as the utility-man. These two documents together meet the requirements of 265.17(d) (1); therefore no violation exists.

Violation 2-Class 2: 40 CFR 262.34 (a)(4) as it refers to 40 CFR 265.37(a)(3) requires a generator to make arrangements with state emergency response authorities. The facility was unable to document those arrangements with the police and the hospital. The facility did have documentation for the arrangements that they made with the Fire Department and some other agencies.



Koppers Inc.

**Carbon Materials and Chemicals** 

7540 NW Saint Helens Road Portland, OR 97210-3663 Tel 503 286 3681 Fax 503 285 2831 www.koppers.com

FAX: 9 PAges Total

10/19/2004

Rebecca Paul Natural Resource Specialist Oregon Department of Environmental Quality Northwest Region Portland Office 2020 SW 4th Avenue, Suite 400 Portland, Oregon 97201-4987

Subject:

**Notice OF Noncompliance** 

NWR-04-040 ORD027734359 Koppers Inc. Multnomah County

Dear Rebecca:

In response to your telephone call today Koppers Inc. realized that some of the attachments were omitted. Included with this letter are the following:

- Page 21 of the SPCC plant which you reviewed during your visit that discusses the emergency equipment capabilities.
- The Training Matrix that lists TJ Turner as General Foreman and the General Foreman Job description
- TCLP analysis demonstrating that coal tar pitch passes TCLP. Please keep in mind that the material in the building is a product and not a waste.

If you have any questions please contact me at (412) 227-2883 or TJ. Turner at (503) 286-3681.

Sincerely,

CC:

Enclosure(s)

## RECORDS REVIEW FOR PORTLAND TERMINAL FACILITY

RECORD	REFERENCE
WATER	
NPDES Waste Discharge Permit No. 101642	
No sanitary wastes	Schedule D special condition 1
Contingency Plan	Schedule D special condition 2
No emulsifying agents or detergents except	Schedule D special condition 3
Chemcoa 1035-A	
Reapplication 180-days before expiration	NPDES general condition Section A 4
-note date of permit expiration is 1/31/04	
Flow device installed calibrated maintained	NPDES general condition Section C 2
Monitoring procedures per 40 CFR Part 136	NPDES general condition Section C 3
Monthly DMR by 15 <sup>th</sup> of following month	NPDES general condition Section C 5
-limitations	-limits schedule A
-monitoring requirements	-monitoring requirements schedule B
Records content	NPDES general condition Section C 9
-COC	
-Lab data package	
Twenty four hour reporting if exceedance	NPDES general condition Section D 5
Other non-compliance reporting	NPDES general condition Section D 6
Signatory requirements	NPDES general condition Section D 8
Industrial Wastewater Discharge Permit No. 314.001	
Discontinued	Ltr. Dated 2/5/03
AIR MONITORING RECORDS/REPORTS	
Air Contaminant Discharge Permit No. 26-2930	
Boiler maintenance records	Permit Condition 2.1 and 5.1
-once every 2-years	
-inspection of burners and refractory chamber	
-cleaning adjustment	
-repair as necessary	
-maintain records for 2-years	
Operation and Maintenance records	Permit Condition 5.1 and 6.2
Excess emissions record	Permit Condition 5.2
-ex.upsets, startup, shutdown, maintenance	
Complaint log	Permit Condition 5.3
-record incident and actions	
Annual Report	Permit Condition 6.2
-emission limits	Permit Condition 3.1
-by 2/15	
Notice of change of ownership	Permit Condition 6.3
Fees	Permit Condition 8.0
-annual	
-change of ownership	
Process/Production records (once per month)	Permit Condition 11.0
-Operating hours (hrs/yr)	
-Fuel usage, oil, nat. gas(gal/hr, or MMcf/hr)	
-VOC emissions (gal/hr)	
WASTE	
Waste Manifests	40 CFR 262.20
LDR Notifications	40 CFR 268.7(a)



## Department of Environmental Quality

Northwest Region 2020 SW Fourth Avenue Suite 400 Portland, OR 97201-4987 (503) 229-5263 Voice TTY (503) 229-5471

February 26, 2001

Mr. Bob Wyatt Northwest Natural 220 N.W. Second Avenue Portland, OR 97209

Re: Monitoring Well Installation, Koppers Industries

Lease Area – Former GASCO Facility

#### Dear Bob:

The Oregon Department of Environmental Quality (DEQ) received the Work Plan for Monitoring Well Installation Activities, Koppers Industries Lease Area. This document was submitted on your behalf by Hahn and Associates and was received by DEQ on February 8, 2001. The work plan describes the installation of two monitoring wells to monitor groundwater downgradient of a proposed coal tar pitch storage tank within the Koppers Industries lease area. The purpose of the monitoring wells is to evaluate groundwater conditions prior to and following tank construction to determine whether tank construction activities will exacerbate contamination at the former GASCO site.

The monitoring well installation work plan, including the location and depths of the proposed monitoring wells is generally acceptable. However, DEQ requests the following clarifications prior to DEQ approval of the well installation plan:

- Section 4.1. Page 3. It is unclear whether the boring for MW-16 will be advanced directly through the proposed pilot hole. The diameter of the proposed pilot hole and the air rotary hole should be specified. In addition, this section should describe the installation and sealing of the protective casing prior to advancing the borehole for well installation.
- Section 4.2. Page 4. It is unclear from the description and from the boring logs how the surface casing will be sealed. DEQ recommends that a standard cement-bentonite mixture be used to optimize the effectiveness of the seal.

Please submit a revised plan that addresses the above comments to DEQ within 4 weeks of this letter. It is our understanding that current market conditions have resulted in a postponement of Koppers Industries proposed tank installation. As a result, please keep DEQ appraised of the timing of the proposed tank installation.

Mr. Bob Wyatt February 26, 2001 Page 2

Please contact me at (503) 229-5648 if you have any questions.

Sincerely,

Eric L. Blischke Project Manager

Voluntary Cleanup and Portland Harbor Section

cc: Mike Rosen, NWR/DEQ Rod Struck, NWR/DEQ John Wegrzyn, NWR/DEQ

#### **Kamerer Amos**

From:

Kamerer Amos

Sent:

Monday, January 15, 2001 11:38 AM

To:

Bob Wyatt (E-mail)

Subject:

ODEQ

Bob,

Regarding the letter to ODEQ on the 2nd tank, at least 6 months advance notice of the driving of any new piling, if they will buy that, sounds good to us.

One other thing that needs to be added in the letter, is that we, NWN and KII, feel that this matter is now resolved and we will plan accordingly. In other words, if KII's business conditions stay poor for say another 2 years, we don't want ODEQ to think that this matter should need to be addressed again, at that time. We have an agreement now, that should be good for whenever we are ready to put in the 2nd tank.

We would like to see the draft of the letter, prior to it being sent to ODEQ.

Thanks,

**Amos** 

JAN 04 '01 03:29PM



#### Department of Environmental Quality

Northwest Region 2020 SW Fourth Avenue Suite 400 Portland, OR 97201-4987 (503) 229-5263 Voice TTY (503) 229-5471

December 27, 2000

Mr. Bob Wyatt Northwest Natural 220 N.W. Second Avenue Portland, OR 97209

Re: Above Ground Storage Tank Support Piling

Monitoring, Koppers Industries, Inc. Lease Area -

The state of the s

Former GASCO Facility

#### Dear Bob:

The Oregon Department of Environmental Quality (DEQ) has reviewed the updated summary of groundwater monitoring data obtained from monitoring wells downgradient of the new above ground coal tar pitch tank constructed by Koppers Industries, Inc (Koppers). This information was submitted to DEQ on your behalf by Hahn and Associates on November 3, 2000.

Based on the groundwater monitoring information received to date, it does not appear that the 1999 tank installation has created an ongoing conduit for the migration of contamination into the alluvial water bearing zone at the GASCO site. However, DEQ is still concerned about this possibility during the installation of pilings to support a second tank. At this time, DEQ will allow the installation of one additional tank to be installed immediately south of the existing tank as long as the following conditions are met:

- Shallow and deep alluvial groundwater conditions downgradient from the proposed tank location must be monitored. Two monitoring wells should be installed at the proposed MW-16 monitoring well location. These monitoring wells should be installed in a manner similar to the installation of monitoring wells MW-15-50 and MW-15-66. DEQ agrees that it is desirable to install and sample the proposed monitoring well prior to initiation of the tank installation. A plan which describes the monitoring well installation and groundwater monitoring procedures should be prepared and submitted to DEQ by January 30, 2001.
- A piling installation plan must be prepared and submitted to DEQ for approval. The plan should describe the number, location and type of pilings to be installed. In addition, the plan must demonstrate that the proposed piling installation will minimize the potential for creating a conduit for contaminant migration. The pilling installation plan should be submitted to DEQ by February 15, 2001.

JAN 04 '01 03:30PM

P.3/3

Mr. Bob Wyatt December 27, 2000 Page 2

Northwest Natural and Koppers Industries, Inc. should be aware that the installation of the pilings through a known area of dense non-aqueous phase liquid (DNAPL) contamination has the potential to create conduits for contaminant migration, hinder future remedial actions at the former GASCO site, and increase remedial action costs. In addition, should monitoring of the tank installation determine that an ongoing conduit for contaminant migration has been created DEQ will require evaluation of cleanup options to address the exacerbation of existing contamination.

Please contact me at 229-5648 if you have any questions.

Sincerely,

Eric L. Blischke Project Manager

Voluntary Cleanup and Portland Harbor Section

cc: Mike Rosen, NWR/DEQ
Rod Struck, NWR/DEQ
John Wegyzm, NWR/DEQ



**O**regon

August 9, 1994

DEPARTMENT OF ENVIRONMENTAL QUALITY

NORTHWEST REGION

Ms. Carla Keiley
Associate Counsel
Northwest Natural Gas Company
220 N.W. Second Avenue
Portland, OR 97209

Re:

RI/FS Agreement and Scope of Work for Northwest Natural Gas Company - GASCO

Site

Dear Ms. Kelley:

Enclosed is a signed original of the Remedial Investigation and Feasibility Study Agreement and Scope of Work (SOW) prepared by the Oregon Department of Environmental Quality (DEQ) for the former GASCO facility located at 7540 N.W. St. Helens Road in Portland, Oregon. This document is being returned to you for your records.

DEQ appreciates your participation in the Voluntary Cleanup Program and looks forward to a productive relationship. If you have any questions, please do not hesitate to contact me at 229-6802.

Sincerely,

Eric L. Blischke

Project Manager, Voluntary Cleanup Section

Northwest Region

EB:eb

Enclosure

cc:

Mike Rosen, NWR/DEQ (w/o enclosure)

Sandra Hart, NWNG (w/o enclosure)

Norm King, WMCD/DEQ (w/ enclosure)

Kurt Burkholder, DOJ (w/o enclosure)

Dick Bach, Stole, Rives, Boley Jones & Grey (w/o enclosure)



2020 SW Fourth Avenue Suite 400 Portland, OR 97201-4987 (503) 229-5263 Voice/TDD DEQ-1

	·
COMPUTER REGIS	TER:
CUSTOMER SERVICE	CE REGISTER:
GAS PURCHASE/AC	GENCY REGISTER:
INTERSTATE SALES	S AGREEMENTS:
NORTHWEST PIPEL	LINE REGISTER:
SYSTEM SUPPLY R	EGISTER;
ONGDC REGISTER	
NNGES REGISTER:	
PACIFIC SQUARE F	REGISTER:
OTHER AGREEMEN	ITS REGISTER:
NNGFC REGISTER:	
KELSO BEAVER PIF	PELINE REGISTER:
NNG CAPACITY CO	RPORATION:
CONTRACT NO.:	348
DATE:	August 9, 1994
BETWEEN:	Oregon Department of Environmental Quality
SUBJECT MATTTER:	RI/FS Agreement and Scope of Work for NWNG Co GASCO Site

CORPORATE SECRETARY REGISTER:

# VOLUNTARY AGREEMENT FOR REMEDIAL INVESTIGATION/FEASIBILITY STUDY

#### DEQ NO. WMCVC-NWR-94-13

BETWEEN:

Northwest Natural Gas Company

AND:

Oregon Department of Environmental Quality (DEQ)

EFFECTIVE DATE:

8/8/94

Pursuant to ORS 465.260(2) and (4), the Director, Oregon Department of Environmental Quality (DEQ), enters this Agreement with the Northwest Natural Gas Company (NWNG). This Agreement contains the following provisions:

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I.	Recitals	1
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	A. Work	3
	B. Public Participation	3
	C. DEQ Access and Oversight	3
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#### I. RECITALS

- A. NWNG is a "person" under ORS 465.200(13).
- B. The NWNG site is a "facility" under ORS 465.200(6). The NWNG site occupies approximately 47 acres at 7540 N.W. St. Helens Road, Portland, Oregon and is the location of a former oil gasification plant. A vicinity map and a site map are included in Attachment A to this Agreement.

Page 1 - Voluntary Agreement for RI/FS DEQ No. WMCVC-NWR-94-13 Northwest Natural Gas Company

- From 1913 until 1956, NWNG, then known as the Portland Gas and Coke Company (GASCO) operated an oil gasification plant on the present property owned by NWNG. An adjoining approximately 73 acre portion of the property was sold by NWNG in 1962 and is currently the site of the Wacker Siltronics Corporation manufacturing facility. The former GASCO facility produced oil gas and lampblack briquettes. Other materials produced by the plant for sale included light oils, tar and electrode grade coke. Wastes generated at the facility included tar, wastewater containing dissolved and suspended hydrocarbons, and spent oxide. Many of these wastes were disposed of in on-site tar ponds. 1971 the largest remaining tar pond was estimated to contain 6 million gallons of tar and tar/water emulsion. This tar pond was subsequently filled in with spent oxide material and rubble and spread out over the southeastern portion of the site. NWNG currently operates a liquified natural gas (LNG) plant at the site and leases portions of the former GASCO facility to Pacific Northern Oil Company (Pacific Northern) and Koppers Industries, Incorporated (Koppers).
- D. Investigations conducted to date indicate that petroleum hydrocarbons, volatile aromatic hydrocarbons and polycyclic aromatic hydrocarbons (PAHs) are present in subsurface soils and groundwater on the NWNG property. A total PAH concentration of 926 mg/l was detected in a 1984 sample collected from a monitoring well installed on the property leased from NWNG by Koppers. Ethylbenzene and xylene were detected in the same monitoring well at 380 mg/l and 2600 mg/l respectively. Analysis of a 1984 sediment sample collected from the NWNG LNG containment basin detected 300 mg/kg of total PAHs. Analysis of a 1993 water sample collected from the NWNG LNG containment basin detected 8.3 mg/l of benzene and 1.4 mg/l of total PAHs.

The substances described in this section are "hazardous substances" under ORS 465.200(9). The presence of hazardous substances in soil and groundwater at the facility constitutes a "release" or "threat of release" into the environment under ORS 465.200(14).

- E. NWNG requested DEQ oversight of its investigation and cleanup activities and executed a voluntary Letter Agreement with DEQ on January 3, 1994. NWNG provided a \$5,000 advance deposit to cover initial DEQ oversight costs.
- F. DEQ considers the activities required by this Agreement to be necessary to protect public health, safety, and welfare and the environment.

Page 2 - Voluntary Agreement for RI/FS DEQ No. WMCVC-NWR-94-13 Northwest Natural Gas Company

#### II. AGREEMENT

The parties agree as follows:

#### A. Work

#### 1. Remedial Investigation and Feasibility Study.

NWNG shall perform a remedial investigation and feasibility study (RI/FS) satisfying OAR 340-122-070 and OAR 340-122-080, the terms and schedule of a DEQ-approved work plan developed by NWNG, and applicable elements of the general Scope of Work contained in Attachment B to this Agreement. NWNG may specify, in the proposed work plan, elements of the Scope of Work that NWNG considers inapplicable or unnecessary to the RI/FS for the facility. NWNG may propose to perform the work in phases or operable units.

#### 2. Review

DEQ shall provide review, approvals/disapprovals, and oversight in accordance with the schedule set forth in the Scope of Work, or as soon as thereafter practicable in the event staff resources or workload prevent compliance with the schedule. Any DEQ delay shall correspondingly extend NWNG's schedule for a related deliverable or activity.

#### 3. Additional Measures

NWNG may elect at any time during the term of this Agreement to undertake measures other than those required under this Agreement necessary to address a release or threatened release of hazardous substances at the facility which is the subject of this Agreement. Such other measures shall be subject to prior approval by DEQ, which approval shall be granted if DEQ determines that the additional measures will not compromise the validity of the RI/FS and will not threaten human health or the environment.

#### B. Public Participation

Upon execution of this Agreement, DEQ will provide public notice of this Agreement through issuance of a press release, at a minimum to a local newspaper of general circulation, describing the measures required under this Agreement. Copies of the Agreement will be made available to the public. DEQ shall provide NWNG a draft of such press release and consider any comments by NWNG on the draft press release, before publication.

#### C. DEQ Access and Oversight

1. DEQ shall use its best efforts, but not be obligated, to provide reasonable advance notice before entering the

Page 3 - Voluntary Agreement for RI/FS DEQ No. WMCVC-NWR-94-13 Northwest Natural Gas Company

facility. NWNG shall allow DEQ to enter and move freely about all portions of the facility at all reasonable times for the purposes, among other things, of inspecting records relating to work under this Agreement; observing NWNG's progress in implementing this Agreement; conducting such tests and taking such samples as DEQ deems necessary; verifying data submitted to DEQ by NWNG; and, using camera, sound recording, or other recording equipment for purposes relating to work under this Agreement.

- 2. NWNG shall permit DEQ to inspect and copy all records, files, photographs, documents, and data relating to work under this Agreement, except that NWNG shall not be required to permit DEQ inspection or copying of items subject to attorney-client or attorney work product privilege. DEQ shall use its best efforts, but not be obligated, to provide reasonable advance notice before records inspection and copying requests.
- 3. Attorney-client and work product privileges may not be asserted with respect to any records required under Section II.G.1 and II.G.2 of this Agreement. NWNG shall identify to DEQ, by addressor-addressee, date, general subject matter, and distribution, any document, record, or item withheld from DEQ on the basis of attorney-client or attorney work product privilege. DEQ reserves its rights under law to obtain documents DEQ asserts are improperly withheld by NWNG.

#### D. Project Managers

1. To the extent possible, all reports, notices, and other communications required under or relating to this Agreement shall be directed to:

#### DEO Project Manager:

Eric Blischke
Department of Environmental Quality
Northwest Region
2020 S.W. Fourth Avenue, Suite 400
Portland, OR 97201
(503) 229-6802

#### NWNG Project Manager:

Sandra Hart
Northwest Natural Gas
Company
220 S.W. Second Avenue
Portland, OR 97209
(503) 226-4211

2. NWNG's and DEQ's Project Managers shall be available and have the authority to make day-to-day decisions necessary to complete the scope of work under this Agreement.

#### E. Notice and Samples

NWNG shall make every reasonable attempt to notify DEQ of any excavation, drilling, or sampling to be conducted under this Agreement at least five (5) working days before such activity but in no event less than twenty-four (24) hours before such activity. Upon DEQ's verbal request, NWNG shall make available to DEQ a

Page 4 - Voluntary Agreement for RI/FS DEQ No. WMCVC-NWR-94-13 Northwest Natural Gas Company split or duplicate of any sample taken pursuant to this Agreement. DEQ shall make every effort to complete analysis of any split or duplicate sample on a schedule consistent with NWNG's schedule for related activities.

#### F. Quality Assurance

NWNG shall conduct all sampling, sample transport, and sample analysis in accordance with the Quality Assurance/ Quality Control (QA/QC) provisions approved by DEQ as part of the work plan. All plans prepared and work conducted as part of this Agreement shall be consistent with DEQ's "Quality Assurance Policy No. 760.00". NWNG shall ensure that each laboratory used by NWNG for analysis performs such analyses in accordance with such provisions.

#### G. Records

- In addition to those technical reports and documents specifically required under this Agreement, NWNG shall provide to DEQ within ten (10) days of DEQ's written request copies of existing documents relating to work required under this Agreement, including QA/QC memoranda and audits, final plans, final reports, task memoranda, field notes, and laboratory analytical data that have undergone data quality validation.
- 2. If DEQ determines that review of raw data or preliminary laboratory reports is necessary in order to ensure protection of public health, safety, and welfare and the environment, that information will be provided by NWNG immediately upon DEQ's written request. When such information is requested, DEQ will fully inform NWNG of the reasons making the request necessary.
- 3. Except for preliminary drafts which have been superseded, NWNG and DEQ shall preserve all records and documents in possession or control of NWNG and DEQ, respectively, or their employees, agents, or contractors that relate in any way to activities under this Agreement for at least five (5) years after termination under Section II.R. of this Agreement; provided that after such 5-year period, NWNG and DEQ shall provide the other sixty (60) days notice before destruction or other disposal of such records and make them available for inspection and copying.
- 4. NWNG may assert a claim of confidentiality regarding any documents or records submitted to or copied by DEQ pursuant to this Agreement. DEQ shall treat documents and records for which a claim of confidentiality has been made in accordance with ORS 192.410 through 192.505. If NWNG does not make a claim of confidentiality at the time the documents or records are submitted to or copied by DEQ, the documents or records may be made available to the public without notice to NWNG.

Page 5 - Voluntary Agreement for RI/FS DEQ No. WMCVC-NWR-94-13 Northwest Natural Gas Company

#### H. Progress Reports

During each month of this Agreement, NWNG shall deliver to DEQ on or before the tenth (10th) day of each month two (2) copies of a progress report containing the following items. DEQ anticipates that the progress report will not exceed 2 pages in length.

- Actions taken under this Agreement during the previous month;
- 2. Actions scheduled to be taken in the next month;
- 3. Sampling, test results, and any other data generated by NWNG during the previous month; and
- 4. A description of any problems experienced during the previous month and the actions taken to resolve them.

#### I. Other Applicable Laws

All actions under this Agreement shall be performed in accordance with all applicable federal, state, and local laws and regulations; except that, in accordance with ORS 465.315(2), DEQ in its discretion may exempt the on-site portion of any removal or remedial action from applicable requirements of ORS 466.005 to 466.385, ORS Chapter 459, or ORS Chapter 468 (1989).

#### J. Reimbursement of DEQ Oversight Costs

- 1. DEQ shall submit to NWNG a monthly statement of costs actually and reasonably incurred after issuance of this Agreement by DEQ or the State of Oregon in connection with any activities related to the facility or oversight of NWNG's implementation of this Agreement. Each invoice will include a summary of costs billed to date. DEQ will also include a direct labor summary showing the person charging the time, the number of hours and the nature of the work performed.
- 2. DEQ or State of Oregon oversight costs payable by NWNG shall include both direct and indirect costs. Direct costs include site-specific expenses, DEQ contractor costs, and DEQ legal costs. Indirect costs are those general management and support costs of the DEQ and of the Waste Management and Cleanup Division allocable to DEQ oversight of this Agreement and not charged as direct, site-specific costs. Indirect costs are based on a percentage of direct personal services costs. DEQ shall maintain work logs, payroll records, receipts and other documents to document work performed and expenses incurred under this Agreement and, upon request, shall make such records available to Respondent for inspection during the time of this Agreement and for at least one year thereafter.

Page 6 - Voluntary Agreement for RI/FS DEQ No. WMCVC-NWR-94-13 Northwest Natural Gas Company

3. Within thirty (30) days of receipt of the monthly statement, NWNG shall pay the amount of costs billed by check made payable to the "State of Oregon, Hazardous Substance Remedial Action Fund".

#### K. Force Majeure

- 1. If any event occurs that is beyond NWNG's reasonable control and that causes or might cause a delay or deviation in performance of the requirements of this Agreement, NWNG shall promptly notify DEQ's Project Manager verbally of the cause of the delay or deviation and its anticipated duration, the measures that have been or will be taken to prevent or minimize the delay or deviation, and the timetable by which NWNG proposes to carry out such measures. NWNG shall confirm in writing this information within five (5) working days of the verbal notification.
- 2. If NWNG demonstrates to DEQ's satisfaction that the delay or deviation has been or will be caused by circumstances beyond the control and despite the due diligence of NWNG, DEQ shall extend times for performance of related activities under this Agreement as appropriate. Circumstances or events beyond NWNG's control might include but are not limited to acts of God, unforeseen strikes or work stoppages, fire, explosion, riot, sabotage, or war. Increased cost of performance or changed business or economic circumstances shall be presumed not to be circumstances beyond NWNG's control.

#### L. Prior Approval

Where DEQ review and approval is required for any plan or activity under this Agreement, NWNG shall not proceed to implement the plan or activity until DEQ approval is received. Any DEQ delay in granting or denying approval shall correspondingly extend the time for completion by NWNG. Prior approval shall not be required in emergencies or in instances where NWNG believes a delay in undertaking a particular action will threaten human health, safety or the environment; provided NWNG shall notify DEQ immediately after the emergency or activity and evaluate its impact on the RI/FS.

#### M. Dispute Resolution

In the event of disagreement between NWNG and DEQ regarding implementation of this Agreement, NWNG and DEQ shall, in the following order: 1) make a good faith effort to resolve the dispute between Project Managers; 2) if necessary, refer the dispute for resolution by the immediate supervisors of the Project Managers; and 3) if necessary, provide each other their respective positions in writing and refer the dispute for resolution by DEQ's Administrator of the Waste Management and Cleanup Division or the appropriate Region Administrator and NWNG's Chief Executive

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Officer. DEQ's final decision after such dialogue shall be enforceable under this Agreement. If NWNG refuses or fails to follow DEQ's final decision, the parties shall be entitled to such rights and remedies, including but not limited to, judicial review and subject to such limitation as provided by applicable law.

#### N. Enforcement of Agreement and Reservation of Rights

- 1. In the event of NWNG's failure to comply with this Agreement (including any failure to reimburse oversight costs), DEQ may enforce this Agreement under ORS 465.260(5) or may terminate this Agreement after thirty (30) days written notice to NWNG.
- 2. In the event of DEQ's failure to provide oversight in accordance with this Agreement, NWNG may terminate this Agreement after thirty (30) days written notice to DEQ. Costs incurred or obligated by DEQ before the effective date of any termination of this Agreement shall be owed under the Agreement notwithstanding such termination.
- 3. NWNG does not admit any liability or violation of law by virtue of entering this Agreement.
- 4. Nothing in this Agreement shall prevent NWNG from exercising any rights of contribution or indemnification NWNG might have against any person regarding activities under this Agreement; provided, NWNG waives any right it might have under ORS 465.260(7) to seek reimbursement from the Hazardous Substance Remedial Action Fund for costs incurred under this Agreement.
- 5. NWNG agrees not to litigate, in any proceeding brought by DEQ to enforce this Agreement, any issue other than NWNG's compliance with this Agreement.

#### O. Hold Harmless

NWNG shall save and hold harmless the State of Oregon and its commissions, agencies, officers, employees, contractors, and agents, and indemnify the foregoing, from and against any and all claims arising from acts or omissions related to this Agreement of NWNG or its officers, employees, contractors, agents, receivers, trustees, or assigns. The State of Oregon shall notify NWNG of any such claims or actions as soon as practicable after receiving notice that such a claim or action is threatened or has been filed. NWNG shall have the right to participate fully at its own expense in the defense or settlement of such claims, including the right to promptly receive related correspondence with the claimant and the opportunity to participate in related meetings and telephone conferences with the claimant. The state will confer with NWNG regarding litigation and settlement strategy and, to the extent practicable, will allow NWNG to review ad comment on

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pleadings and settlement documents before they are filed with the court or sent to the claimant. NWNG shall have no obligations under this subsection with respect to any claim settled or otherwise compromised without NWNG's having been provided the opportunity to participate in accordance with this subsection. Subject to Article XI, Section 7 of the Oregon constitution and the Oregon Tort Claims Act, DEQ and the State of Oregon shall be responsible for the acts and omissions of their own employees and agents, except for DEQ acts approving or omissions constituting approval of NWNG's activities under this Agreement. DEQ shall not be considered a party to any contract made by NWNG or its agents in carrying out activities under this Agreement.

2. To the extent permitted by Article XI, Section 7, or the Oregon Constitution and by the Oregon Tort Claims Act, the State of Oregon shall save and hold harmless NWNG and its officers, employees, contractors, and agents, and indemnify the foregoing, from and against any and all claims arising from acts or omissions related to this Agreement of the State of Oregon or its commissions, agencies, officers, employees, contractors, or agents (except for acts approving or omissions constituting approval of any activity of NWNG under this Agreement). NWNG shall not be considered a party to any contract made by DEQ or its agents in carrying out activities under this Agreement.

#### P. Parties Bound

This Agreement shall be binding on the parties and their respective successors, agents, and assigns. The undersigned representative of each party certifies that he or she is fully authorized to execute and bind such party to this Agreement. No change in ownership or corporate or partnership status relating to the facility shall in any way alter NWNG's obligations under this Agreement, unless otherwise approved in writing by DEQ.

#### Q. Modification

DEQ and NWNG may modify this Agreement by mutual written agreement.

#### R. Duration and Termination

Upon completion of work under this Agreement, NWNG shall submit to DEQ a written notice of completion. This Agreement shall be deemed satisfied and terminated upon payment of all oversight cost owed and upon DEQ's issuance of a letter acknowledging satisfactory completion of activities in accordance with this Agreement. Such letter shall be issued within sixty (60) days of receipt of notice of completion and payment of outstanding DEQ oversight costs, or as soon thereafter as is reasonably practicable.

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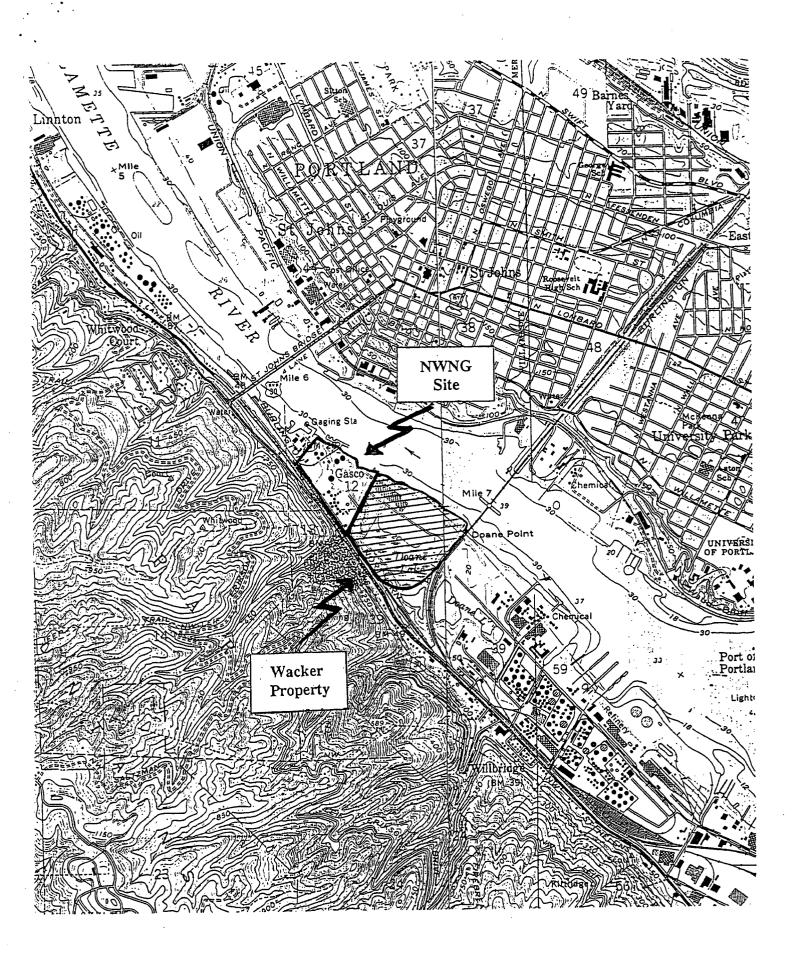
NORTHWEST NATURAL GAS COMPANY

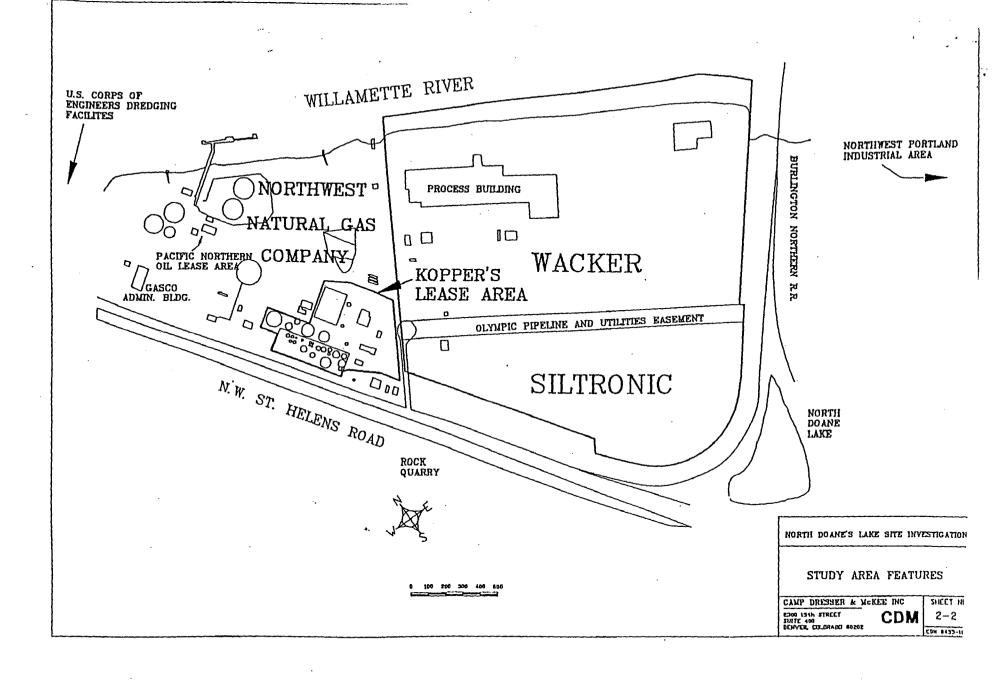
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# ATTACHMENT A VICINITY AND SITE MAPS





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ATTACHMENT B SCOPE OF WORK

#### ATTACHMENT B

### VOLUNTARY CLEANUP PROGRAM REMEDIAL INVESTIGATION/FEASIBILITY STUDY SCOPE OF WORK

#### I. OBJECTIVES AND SCHEDULE

#### A. OBJECTIVES

- Work performed under this Agreement shall complement and incorporate existing site information with the following specific objectives:
  - i. Determine the magnitude, nature and extent of contamination at the Northwest Natural Gas Company (NWNG) site located at 7540 N.W. St. Helens Road. The investigation and cleanup, if required, shall include properties leased to Pacific Northern Oil Company and Koppers Industries, Incorporated. The investigation shall focus on, but not be limited to, petroleum related contaminants such as volatile aromatic compounds and polycyclic aromatic hydrocarbons (PAHs) and inorganic contaminants such as metals, cyanide and hydrogen sulfide.
- Work performed under this Agreement shall complement and incorporate existing site information with the following overall objectives:
  - Identify the hazardous substances which have been released to the environment,
  - ii. Determine the full nature and extent of hazardous substances in affected media on and off-site,
  - iii. Determine the distribution of hazardous substance concentrations,
  - iv. Determine the direction and rate of migration of hazardous substances,
  - v. Identify migration pathways,
  - vi. Identify the environmental impact and risk to human health and/or the environment,
  - vii. Develop the information necessary to select a remedial action.

#### B. SCHEDULE

The Remedial Investigation/Feasibility Study (RI/FS) described in this Scope of Work may be completed in phases if that approach will better enable NWNG to meet the objectives listed above. All work under this Agreement will proceed in accordance with the schedule below, which assumes a phased approach and is measured in calendar days:

RI/FS Proposal

Provide to DEQ within 30 days of issuance of this agreement.

Meeting to discuss RI/FS Proposal

Between DEQ and NWNG within 15 days of DEQ's receipt of the RI/FS proposal; DEQ and NWNG will meet, if necessary, to review the proposal, concur on the RI/FS approach, and discuss the content and format of deliverables.

DEQ approval of RI/FS Proposal

To NWNG within 10 days of meeting or within 15 days of receipt of RI/FS Proposal if meeting not held.

Draft RI/FS Work Plan

To DEQ within 45 days of receipt of DEQ's approval of the RI/FS Proposal; the Draft RI/FS Work Plan shall include the draft Sampling and Analysis Plan (SAP), Health and Safety Plan (HASP), Quality Assurance Project Plan (QAPP), Endangerment Assessment Work Plan (EAWP) and Feasibility Study Work Plan (FSWP).

DEQ review and comments

To NWNG within 30 days of receipt of the Draft RI/FS Work Plan.

Revised Draft RI/FS Work Plan

To DEQ within 15 days of receipt of DEQ comments; the revised RI/FS Work Plan shall include a revised SAP, HASP, QAPP, EAWP and FSWP as necessary, addressing DEQ comments.

DEQ review and approval

To NWNG within 15 days of receipt of an approvable RI/FS Work Plan.

Implementation of RI

Within 15 days of receipt of DEQ approval; NWNG shall complete work according to the schedule specified in the approved Work Plan.

RI Letter Report

To DEQ within 30 days of completion of RI and receipt of laboratory data. Data shall be validated and any unusable data identified. Shall include a recommendation whether additional phases are required; format to be mutually agreed upon by DEQ and NWNG.

DEQ review and comments

To NWNG within 15 days of receipt.

Subsequent Phase Work Plan Addenda If it is mutually determined by DEQ and NWNG that additional phases are required, NWNG shall submit a Work Plan Addendum according to a format and schedule agreed upon between the parties prior to starting each phase of the Remedial Investigation, the Endangerment Assessment and the Feasibility Study.

DEQ review and comment

To NWNG within 21 days of receipt of each Work Plan Addendum.

Subsequent Phase RI Letter Reports

Within 30 days of completion of subsequent phases of the RI work, NWNG shall issue additional Phase \_\_\_ RI Letter Reports which summarize the RI work to date and include a recommendation whether additional phases are required.

DEQ review and comment

To NWNG within 15 days of receipt of the Letter report for each phase of the RI.

Draft RI Report Outline

To DEQ within 30 days of receipt of DEQ's comments on the final phase of the RI work and receipt of all laboratory data; the outline will provide a table of contents and a list of figures and tables.

DEQ Review and Comment

To NWNG within 15 days of receipt.

Draft RI Report

To DEQ within 60 days of receipt of DEQ's comments; the draft RI report will include a draft Endangerment Assessment, summarize all RI work to date and respond to all DEQ comments to-date.

DEO review and comments

To NWNG within 45 days of receipt of the Draft RI Report.

Final RI Report

To DEQ within 30 days of receipt of DEQ comments.

Review and approval

To NWNG within 30 days of receipt of an approvable RI Report.

Draft FS Report

To DEQ within 60 days of DEQ approval of the Final RI Report

DEQ review and comments

To NWNG within 45 days of receipt of the Draft FS report

Final FS Report

To DEQ within 30 days of receipt of DEQ's comments

DEQ review and approval

To NWNG within 30 days of receipt of an approvable FS Report

#### II. RI/FS PROPOSAL

The RI/FS Proposal will be a brief discussion of NWNG's proposed approach to the RI/FS, addressing soil, groundwater, surface water, sediments, and air. The proposal will provide the framework for the RI/FS Work Plan and will include the following, assuming a phased approach:

- A. A summary of site-specific issues and a review of the results of previously completed work;
- B. A general description of each proposed phase, including the goals and objectives of each;
- C. Phase I sample locations, depths, proposed analytical methods, and the rationale for each (include map); and

D. The estimated schedule for implementation of Phase I and subsequent phases if necessary.

#### III. REMEDIAL INVESTIGATION WORK PLAN

The RI Work Plan shall be based on the <u>Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA</u>, OSWER Directive 9355.3-01, 1988, and developed in accordance with OAR 340-122-080.

The Work Plan shall include, but not be limited to the following items:

#### A. PROJECT MANAGEMENT PLAN

- A proposed schedule for submittals and implementation of all proposed activities.
- A description of the personnel involved in the project, including their qualifications to do the proposed work.

#### B. SITE DESCRIPTION

A description of facility operations shall include, but not be limited to, the following:

- A list of chemical products used on-site currently and historically.
- The estimated volume of waste disposed of on-site and/or discharged off-site.
- 3. Time and volume of known spills.
- A description of past and present waste treatment/disposal practices and areas.
- 5. The location of past and present raw material and finished product storage areas.
- 6. The approximate time periods for past operational, treatment, storage, disposal, and/or discharge practices where hazardous substances were involved relative to this investigation.

#### C. SITE CHARACTERIZATION PLAN

#### 1. Soils

Objective: To identify releases of hazardous substances to soils and to assess the nature and extent of soil contamination.

Scope: The plan shall address all areas which could potentially have received spills, leaks from tanks or piping, been used for waste treatment, storage, or disposal, or have been affected by contaminated surface water or storm water runoff, and all other areas where soil contamination is known or suspected, to the extent necessary for DEQ to select a remedy for the site.

Procedures: The sampling program shall supplement previous soil

sampling at the facility. At a minimum, the plan shall include, but not be limited to, the following:

- a. The proposed location of soil borings including;
  - i. Depth of borings
  - ii. Sampling interval
  - iii. Sample collection methods
  - iv. Analytical parameters
  - Method to determine background concentrations for each parameter
  - vi. Rationale for each of the above
- b. Provisions for describing soil boring samples, to include:
  - The soil type according to the ASTM D 2487-85, Classification of Soils for Engineering Purposes, and
  - ii. Soil color, structure, texture, mineral composition, moisture, and percent recovery according to ASTM D 2488-84, Description and Identification of Soils (Visual-Manual Procedures)
  - iii. Other relevant characteristics such as visual identification of contamination, odor, and detection of vapors by use of field screening instruments such as HNU, OVA or other equivalent type equipment, and as described by a qualified geologist or geotechnical engineer.

#### 2. Groundwater

Objective: To identify releases of hazardous substances and characterize the lateral and vertical extent of these releases to groundwater

Scope: The plan shall supplement previous investigations at the facility and shall identify releases of hazardous substances to groundwater, and shall also characterize the vertical and lateral extent of groundwater contamination, both on-site and migrating off-site to the extent necessary for DEQ to select a remedy for the site.

Procedures: The sampling program shall supplement previous groundwater sampling at the facility. At a minimum, the plan shall include, but not be limited to, the following:

- a. Well installation plan to include:
  - i. Proposed well locations.

- ii. Proposed well depths.
- iii. Length of proposed screened intervals.
- iv. Proposed drilling methods.
- v. Proposed construction materials and installation methods.
- vi. Proposed well development and completion methods.
- vii. Proposed sample collection methods
- viii. Proposed analytical parameters
- ix. Proposed method to determine background concentrations of each parameter
- x. Proposed schedule for sampling all monitoring wells
- b. Hydrologic characterization proposal to include:
  - i. Provisions to collect and describe formation materials during drilling. NWNG may consider obtaining continuous cores and using borehole geophysics to supplement coring.
  - ii. A plan to characterize the hydrogeology including a description of:
    - (a) stratigraphy
    - (b) structural geology
    - (c) depositional history
    - (d) regional ground-water flow patterns
  - iii. A plan to describe the hydrogeologic properties of affected hydrogeologic units found at the site, and additional units as necessary to complete the RI/FS, including:
    - (a) hydraulic conductivity
    - (b) porosity
    - (c) lithology
    - (d) hydraulic interconnections between saturated zones
  - iv. Plans to identify the following for each affected aquifer, and additional aquifers as necessary to complete the RI/FS:
    - (a) A description of ground-water flow direction.
    - (b) Identification of vertical and horizontal gradient(s).
    - (c) Interpretation of the flow system including the rate (horizontal and vertical) of groundwater flow, and including seasonal variations.

- v. A plan to describe surface and subsurface features, characteristics, and interrelationships with a potential to influence groundwater flow patterns at the site, including:
  - (a) Identification of pumping groundwater wells, past and present.
  - (b) Influences of rivers, streams, and ditches.
  - (c) Influences of ponds and lakes.
- (d) Identification of areas of recharge/discharge.
- c. A plan to conduct a well inventory to identify all active and inactive water wells within a one-mile radius of the facility, to include, as necessary:
  - i. Identification of all wells listed with the Oregon Water Resources Department and field confirmation of their location
  - ii. A door-to-door field survey to identify wells for which no logs are on file
  - iii. For all located wells, to the extent practicable, identify:
    - (a) Owner
    - (b) Address
    - (c) Map location
    - (d) Driller
    - (e) Date drilled
    - (f) Depth
    - (g) Casing and screen material, depths and intervals
    - (h) Seal types, depths and intervals
    - (i) Static water levels
    - (j) Approximate land surface elevation
    - (k) Reported water quality and use of well
  - iv. A plan to sample those private wells identified above which, based on the available hydrogeological information, may be at greatest risk of contamination.

#### 3. Surface Water and Sediments

Objective: The Work Plan shall include a plan to identify and evaluate releases of hazardous substances to surface water, including their sediments.

Scope: The plan shall supplement previous investigations at the facility and shall identify all past, existing, and potential impacts to surface waters from the identified release to the extent necessary for DEQ to select a remedy for the site.

Procedures: The sampling program shall supplement previous surface water and sediment sampling at the facility. At a minimum, the plan shall include but not be limited to,

the following:

- a. A delineation of past and present surface drainage patterns at the site.
- b. Proposed sampling points in past and current surface drainages.
- c. Proposed sample collection methodology.
- d. Proposed analytical parameters
- e. Proposed method for determining background values for all parameters.
- f. A rationale for each of the above.

#### 4. Air

Objective: To identify and characterize the release of hazardous substances to the air from unregulated sources at the facility.

Scope: The air assessment plan shall supplement previous investigations at the facility and shall be designed to determine if unregulated air emissions from the site threaten human health or the environment.

Procedures: The sampling plan shall supplement previous air sampling at the facility. At a minimum, the plan shall include, but not be limited to, the following:

- a. Proposed sample locations
- b. Proposed analytical parameters
- c. Proposed sample collection methods
- d. Methodology for determining background values for each parameter
- e. Rationale for each of the above

#### D. SAMPLING AND ANALYSIS PLAN (SAP)

Objective: To adequately document all sampling and analysis procedures.

Scope: The SAP shall be sufficiently detailed to function as a manual for field staff. In preparation of the SAP, the following guidance documents shall be utilized: <a href="Data Quality Objectives for Remedial Response Activities">Data Quality Objectives for Remedial Response Activities</a>, EPA/540/G-87/004 (OSWER Directive 9355.0-7B), March, 1987; <a href="Test Methods for Evaluating Solid Waste">Test Methods for Evaluating Solid Waste</a>, SW-846; and <a href="Methods Compendium of Superfund Field Operations Methods">A Compendium of Superfund Field Operations Methods</a>, EPA/540/P-87/001 (OSWER Directive 9355.0-14), December, 1987. The SAP shall address all topics listed in Policy #760.000, Quality Assurance Policy.

Procedures: The Work Plan shall include a SAP for all sampling activities.

The SAP shall include, at a minimum:

- 1. Proposed analytical parameters and rationale.
- Description of sample collection methods, sampling equipment, and sample handling procedures.
- Quality assurance and quality control procedures for both field and lab procedures, including a data quality objectives plan.
- Chain of custody procedures.
- 5. Analytical methods for each parameter.
- A methodology for determining background concentrations for all detected contaminants.
- 7. A methodology for determining statistically significant increases in concentrations for the sampling parameters.

#### E. HEALTH AND SAFETY PLAN (HASP)

The Health and Safety Plan shall:

- 1. Describe the known hazards and risks.
- Identifying levels of protective clothing and equipment to be worn.
- Describe decontamination procedures.
- 4. Identify any special requirements or training needs.
- 5. Provide a contingency plan for emergencies.

An existing Health and Safety Plan can be included by reference, if it adequately includes the above items.

#### F. ENDANGERMENT ASSESSMENT WORK PLAN

The Endangerment Assessment portion of the Work Plan shall be developed based on the Risk Assessment Guidance for Superfund - Human Health Evaluation Manual Part A, United States Environmental Protection Agency, Interim Final, July 1989, (RAGS-HHEM); Risk Assessment Guidance for Superfund Volume II - Environmental Evaluation Manual (EEM), United States Environmental Protection Agency, Interim Final, March 1989; EPA Region 10, Supplemental Risk Assessment Guidance for Superfund, United States Environmental Protection Agency, August 1991, (SRAGS); and, Human Health Evaluation Manual, Supplemental Guidance: "Standard Default Exposure Factors", United States Environmental Protection Agency, March 1991, (HHE-SG).

#### 1. Human Health Evaluation

Objective: The human health evaluation (HHE) is an analysis of the potential adverse health effects caused by hazardous substance release(s) from a site in the absence of any actions to control or mitigate these releases (i.e., under an assumption of no action). It is used to document the magnitude of the potential risk at a site and to evaluate the cause(s) of that risk. It is also

used to support risk management decisions, and to set remediation goals, if necessary.

Scope:

This section shall describe the different tasks involved in preparing the HHE portion of the endangerment assessment. A suggested outline for the human health evaluation is given in Exhibit 9-1 of the RAGS-HHEM. The Work Plan should use this outline as a framework for discussing the methodologies and assumptions to be used in assessing the potential human health risks at the site.

The HHE shall include an estimate of the reasonable maximum exposure (RME) expected to occur under both current and future land use conditions. Guidance on quantifying the RME is given in Chapter 6 of the RAGS-HHEM, SRAGS, and HHE-SG. Quantifying the potential risks associated with the RME shall be the overall goal of the Endangerment Assessment.

The Work Plan should include, but not be limited to the following:

- a. A conceptual site model for the site. This model should be an iterative flow chart based on available site information showing contaminant sources, release mechanisms, transport routes and media, potential receptors, and other important information as appropriate. Iterations of this model shall be carried through the work plan and the endangerment assessment as additional information is generated. Exhibit 4-1 of the RAGS-HHEM presents an example of a conceptual site model.
- b. The exposure parameters for the RME based on both current and future land use scenarios.
- c. A list of all chemicals identified at the site (by media).
- d. The analytical methods used during the site investigation, and the method detection limits that were used for all analytes. In addition, an explanation of how non-detect values and qualified data will be used to estimate exposure point concentrations should be provided.
- e. The rationale for selecting chemicals that will be carried through the HHE.
- f. A discussion of how the fate and transport of siterelated chemicals will be evaluated. In addition, a description of the fate and transport model that will be used to estimate the potential infiltration (or contribution) of chemicals in soil to ground water should be included.
- g. A summary table of the chemicals found, and their respective critical toxicity values (reference doses RfDs), slope factors, and other relevant critical toxicity factors) and citations for these values; data on absorption factors that will be used (e.g., dermal absorption factors) should also be included.

- h. The exposure points and exposure point concentrations to be used in the HHE (and/or how they will be estimated). A description of the model(s) that will be to estimate exposure point concentrations should be provided, if necessary.
- An explanation of how the uncertainty analysis will be conducted.

#### 2. Environmental Evaluation

Scope:

Objective: The environmental evaluation (EE) provides an assessment of the potential threat to ecological populations, communities or ecosystems in the absence of any remedial action. It can provide a basis for determining whether or not remedial action is necessary, and can also be used to support risk management decisions.

The EE and the HHE are parallel activities used in the evaluation of hazardous substance sites. Much of the data and analyses relating to the nature, fate, and transport of a site's contaminants can be used for both evaluations. Available data (from the HHE or previous investigations) can be utilized, whenever appropriate, and additional data should be generated whenever necessary in order to conduct the ecological assessment.

The EE shall follow the organization presented in Chapter 6 of the EEM, as applicable. The Work Plan shall discuss the different tasks involved in evaluating whether or not the potential ecological impacts of the contaminants at a site warrant remedial action.

The Work Plan should include, but not be limited to the following:

- a. A list of all chemicals identified at the site (by media). The HHE can be referenced, if appropriate.
- b. The rationale for selecting chemicals that will be carried through the EE.
- c. A description of the site and study area. A description of how the EE will account for the ecosystems and populations potentially exposed to chemicals at the site (e.g., a description of the habitat and lists of species either collected or observed), and how they will be evaluated should be included.
- d. A discussion of how the fate and transport of siterelated chemicals will be evaluated (through both physical and biological means). The HHE can be referenced, if and/or where appropriate.
- e. The exposure points and exposure point concentrations that will be used in the EE (and/or how they will be estimated). A discussion of actual or potential exposure pathways (and the media involved) should also be included.
- f. A description of how the potential environmental impacts or threats will be characterized. This should include

a description of the ecological endpoints that will be considered measurements of potential impact or probability of potential impact (e.g., Water Quality Criteria).

g. An explanation of how the uncertainty analysis will be conducted.

#### G. FEASIBILITY STUDY WORK PLAN

The Feasibility Study portion of the Work Plan shall be developed in accordance with OAR 340-122-080 and <u>Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA</u>, OSWER Directive 9355.3-01, 1988. The Feasibility Study shall develop an appropriate range of alternatives which meet the standards listed in OAR 340-122-040, and 340-122-090. The Feasibility Study shall be developed in parallel with Remedial Investigation activities.

Objective: To present an outline of the Feasibility Study process and identify potential remedial alternatives in order to obtain sufficient analytical data during the RI.

Scope: The purpose of the Feasibility Study is to develop and evaluate remedial alternatives for each contaminated medium, and recommend remedial actions to be taken at the facility

Procedures: A Work Plan shall be submitted which will include, but not be limited to the following:

- 1. A description of any interim remediation activities which have been implemented to date and the relationship of the interim measures to the ultimate corrective action.
- 2. The remedial action objectives.
- A discussion of how volumes or areas of media to which response actions may be applied will be identified.
- 4. A discussion of how screening criteria will be developed to identify and select treatment technologies and process options.
- 5. A description of how process options will be evaluated.
- The criteria for and selection of remedial action alternatives.
- 7. A preliminary screening of remedial technologies and alternatives based on available data.

#### H. MAPS

The Work Plan shall include maps of the facility which clearly show:

- 1. Site topography and surface drainage.
- On-site structures, including tanks, sumps, catch basins, utilities, and pipelines.

- The location of past spills, disposal areas, and all other waste and product management areas.
- 4. All pertinent structures adjacent to or nearby the site such as drainage ditches, pipelines, roadways, wells and utility corridors.
- 5. The location of all existing and proposed surface soil sample points, soil borings, monitoring wells, surface drainage, sediment, surface water, and air sample points.
- 6. The locations of hydrogeologic cross-sections.
- 7. The drawing date, orientation, and scale.

#### IV. REPORTS

- A. MONTHLY REPORTS: Monthly reports shall be submitted to DEQ by the 10th day of the month following the reporting period. These reports shall include, but shall not be limited to, the following:
  - 1. Activities that occurred during the past month.
  - 2. Description of data results collected during the past month.
  - Description of any problems or difficulties experienced during the past month.
  - 4. Description of activities planned for the coming month.
- B. LETTER REPORTS: Letter Reports are to be submitted to DEQ within 30 days following the completion of each phase of the remedial investigation. These reports shall include, but shall not be limited to, the following:
  - 1. Introduction.
  - 2. Summary of work completed to date.
  - A presentation of all data collected during the investigation.
  - Conclusions and recommendations.
- C. REMEDIAL INVESTIGATION REPORT: The results of the Remedial Investigation shall be submitted to the DEQ as draft and final report in accordance with the following format:
  - 1. Executive Summary
  - 2. Introduction
    - a. Purpose
    - b. Report Organization
  - 3. Site Background
    - a. Site Description
      - i. Location

- ii. Physical features such as building, roads, utilities, wells, etc., include map
- iii. Site History
- b. Facility Operations
  - Past production processes, waste identification, location of hazardous materials handling and storage areas
  - ii. Location, time, volume of releases of hazardous substances, include map
  - iii. Past and present waste treatment/disposal
     practices and areas
- c. Site Setting
  - i. Regional land use and history
  - ii. Geology
  - iii. Hydrogeology
  - iv. Surface water
  - v. Climatology
- d. Previous Investigations
  - i. Summary of previous investigations
  - ii. List of reports referenced
- 4. Study Area Investigation
  - a. Soil
    - i. A map and description of the location of soil borings or surface samples including depth of borings, sampling interval, sampling methods, analytical parameters, analytical methods, as well as quality assurance and quality control procedures
    - ii. Description of soil samples; all boring and lithologic logs
    - iii. A map showing the locations of hydrogeologic cross-sections
    - iv. An evaluation and analysis of all data submitted; use tabular and graphic presentation; include discussion of data limitations
  - b. Groundwater
    - i. The well installation plan including well locations (provide map), well depth, length of

screened intervals, drilling methods, construction materials, and installation methods, well development and completion methods

- ii. All boring and lithologic logs; including well construction diagrams with surveyed location, elevation of top of casing, size and depth of well, screened interval
- iii. A characterization of the hydrogeology including a description of formation materials, the hydrogeology, and hydrogeologic properties of each pertinent aquifer
- iv. A description of the hydraulic influence from groundwater wells, and surface water bodies
- v. All areas of recharge/discharge
- vi. Results of the well inventory to identify all active and inactive water wells within a one-mile radius of the facility
- vii. Results and data analysis including data limitations; tabular and graphic presentations

#### c. Surface Water and Sediments

- i. A map with all relevant surface water bodies within 2 miles of the site
- ii. A map with past and present surface drainage patterns and the stormwater collection system
- iii. A map with all sample locations
- iv. Results and data analysis including data limitations; tabular and graphic presentations

#### d. Air

- i. A wind rose and discussion of predominant wind direction
- ii. A map indicating all sample locations and elevations of sample points
- iii. Results and data analysis including data limitations; tabular and graphic presentations

#### 5. Summary and Conclusions

- A discussion of the nature and extent of contamination; discuss the data limitations
- b. A discussion of the fate and transport of the contaminants of concern
- c. Recommendations for further action

As part of the Remedial Investigation Report to DEQ, NWNG may incorporate existing data, reports or information, including data from any investigation activity conducted prior to the effective date of this Agreement, to the extent that such data is consistent with the procedures and quality assurance/quality control criteria approved by DEQ.

- ENDANGERMENT ASSESSMENT REPORT: The results of the Endangerment Assessment shall include the Human Health Evaluation and the Environmental Evaluation and shall follow the report formats described in the references cited in IV.F. of this Scope of Work. Any data limitations shall be noted in the report. If information is presented in sections of the RI Report, these may be referenced.
- FEASIBILITY STUDY REPORT: The results of the Feasibility Study shall be submitted to DEQ in a report which, at a minimum, includes a full evaluation of remedial action alternatives, giving a workable number of options which each appear to adequately address site problems and remedial action objectives. These alternatives shall include a no action option, at least one option which will achieve background, and at least one option which will achieve protection of public health, safety, and welfare and the environment. The report shall present the following for each alternative:
  - Description of the remedial action alternative, estimated cost, and rationale for selection.
  - Performance expectation (i.e., reductions in contaminant concentration levels), reliability, and ability to implement.
  - Design criteria and rationale.
  - 4. General operation and maintenance requirements.
  - Monitoring program to assure both short-term and long-term performance of the alternative.
  - Financial assurance mechanism to assure performance. 6.
  - Estimated time for implementation.
  - Evaluation of the short-term and long-term effectiveness and risks of the alternative.
  - 9. Recommendation and justification of the remedial action selected from the developed alternatives.
  - 10. A schedule for implementation of the proposed remedial action.

ATTACHMENT B - SCOPE OF WORK - NORTHWEST NATURAL GAS COMPANY RECEIVED Page 16

DEC 2 0 1999

KOPPERS INDS. INC. PORTLAND OR

#### HAHN AND ASSOCIATES, INC.

ENVIRONMENTAL MANAGEMENT

### RECEIVED

DEC 1 4 1999

December 14, 1999

Mr. Eric Blischke Department of Environmental Quality Voluntary Cleanup and Site Assessment Section 811 SW 6th Avenue Portland Oregon 97204 KOPPERS INDS, INC. PORTLAND OR

HAI Project #2708

SUBJECT: Proposed Assessment Plan, Above-Ground Storage Tank Support Pilings, Koppers Lease Area, Northwest Natural-Gasco Facility, 7900 NW St. Helens Road, Portland, Oregon

Dear Mr. Blischke:

In correspondence dated October 1, 1999 (Blischke to Hart), you requested that Northwest Natural prepare a plan to assess the source of high benzene and polynuclear aromatic hydrocarbon (PAH) concentrations identified in monitoring well MW-15-50, installed within the upper portion of the Alluvial Sand water bearing zone (WBZ) immediately down-gradient of pilings recently installed to the bedrock surface to support Koppers new coal tar pitch above-ground storage tank.

As indicated in your letter of October 1, 1999, you stated that the identification of contamination at the MW-15-50 well location is indicative that contaminants were either dragged down with the recently installed pilings or that a conduit was opened up through which contaminants from the Surficial Fill WBZ may now migrate to the underlying Alluvial Sand WBZ.

Although piling-induced contamination within the Alluvial Sand WBZ, as described above, is a possibility, sufficient data do not exist at this time to support this conclusion with sufficient certainty. For example, since we do not have the benefit of baseline data, it is similarly possible that the contamination identified within the MW-15-50 well was pre-existing.

Based on the uncertainty related to the contaminant release mechanism, the objective of the assessment plan described herein is to allow the determination of the source for the elevated contaminant concentrations identified at the MW-15-50 monitoring well location. Specifically, a determination must be made as to whether these impacts: (1) pre-date the installation of tank foundation pilings; (2) are the result of limited piling drag-down of shallow contamination into the Alluvial Sand WBZ; or (3) are the result of the pilings acting as an on-going conduit for the continued migration of shallow contamination into the Alluvial Sand WBZ. The preceding determination will be necessary in order to evaluate whether tank installation procedures have exacerbated existing contamination at the site.

In order to make the preceding determination, it is proposed that monitoring wells MW-15-50, MW-15-66, and MW-14-110 (all down-gradient of the foundation pilings) be monitored on a quarterly sampling frequency as proposed in prior correspondence dated October 28, 1999 (Ede to Blischke). The proposed monitoring will allow for identification of concentration trends at these three wells, thereby providing the necessary data to determine the type/mechanism of the contaminant source currently identified at the MW-15-50 location and/or to evaluate whether other investigative techniques will be necessary to make this determination.

434 NW SIXTH AVENUE, SUITE 203 • PORTLAND, OREGON 97209-3600 503/796-0717 OFFICE • 503/227-2209 FAX

If contaminant concentrations continue to decline at both the MW-15-50 and MW-15-66 locations, then it can be concluded that contaminant drag-down was the likely source and that only further monitoring is necessary. However, if concentrations increase or stay the same at well MW-15-50, then further evaluation, likely involving the collection of depth-discrete groundwater samples at various locations, will likely be recommended.

Based on the preceding, it is proposed that water quality trends at the referenced wells be evaluated to make a determination as to contaminant source mechanism after completing data collection activities for the period of one year (i.e., until August 2000). Once this determination is made, it is expected that DEQ will then issue a decision regarding the removal of the current moratorium on further tank construction activities at the site.

If there are any comments or questions, please contact either the undersigned.

Sincerely,

Robert Ede

Sr. Project Manager

: Ms. Sandra Hart, Northwest Natural

Mr. Amos Kamerer, Koppers Industries

Mr. Richard Bach, Stoel Rives, LLP

Mr. Tom Schadt, Anchor Environmental LLC

50' -50' to 40' Scheens 10' 66' - 66' to 56' berzen\_ 1844 95 PM 18 PPM 9 PPM .7 APM Time to review data before scienting a 2nd tank At least a year, MINIMUM. Two 2000. ODEQ - Harbor wide is the big protone issue concerns of doing mything that most decreasing Any thing letter - "SAber RAHLING" \* Alternate construction methods for the second tank. \* Andre Portre 2nd tank

\* cott Rob Re Surveying the well heights.

#### **FAX TRANSMITTAL**

KOPPERS INDUSTRIES, INC. 7540 NW SAINT HELENS RD. PORTLAND, OR 97210-3663

TELEPHONE: 503-286-3681 FAX: 503-285-2831

TO: J. Dietz, K-1650 T. Self, K-1800 B. Meisinger, HTC DATE: 10/05/99

FROM: Amos Kamerer

TOTAL # OF PAGES: 3

**SUBJECT: ODEQ Wells** 

The attached is self-explanatory, with the ODEQ flexing their mussels! This pretty much cover's what I had advised earlier about the first sample results. I talked to Rob Ede at Hahn and Assoc., Rob said that he would be responding to Eric with the requested plan, in the next couple of weeks. Rob feels that it will take at least a year, 4 more samples, before any meaningful data will be developed, as to what, if anything, has happened as a result of our new piles.

I will forward Rob's response when received.

Amos

CC: M. Cilley, Stickney



#### Department of Environmental Quality

811 SW Sixth Avenue Portland, OR 97204-1390 (503) 229-5696 TDD (503) 229-6993

October 1, 1999

Ms. Sandra Hart Senior Engineer Northwest Natural 220 N.W. Second Avenue Portland, OR 97209

RE: Preliminary Results of Groundwater

Monitoring Downgradient of Tank Location, Koppers Lease Area – Former GASCO site.

#### Dear Sandi:

As you are aware, 208 support pilings were driven to bedrock as part of the installation of a pencil pitch storage tank at the Koppers Lease Area at the former GASCO site. The pilings penetrated an area of tar contamination present in the form of a dense non-aqueous phase liquid (DNAPL). Following installation of the support pilings, two monitoring wells were installed downgradient of the pencil pitch storage tank. One monitoring well, MW-15-50, is screened immediately below a silt unit that has, at previously investigated locations in the plant site area, acted as a barrier to contaminant migration. The second monitoring well, MW-15-66, is screened just above the basalt/alluvium interface. The purpose of the monitoring wells is to determine whether the tank installation could exacerbate existing contamination at the former GASCO facility.

Monitoring wells MW-15-50 and MW-15-66 were sampled in July 1999. MW-15-66 was resampled as part of quarterly groundwater monitoring at the GASCO facility in August 1999. Preliminary results obtained from MW-15-50 reveal high concentrations of benzene (95.1 mg/l), naphthalene (8.5 mg/l) and acenaphthylene (9.7 mg/l) in groundwater. These concentrations indicate that free phase product is present in the vicinity of MW-15-50. Groundwater concentrations detected in groundwater collected from MW-15-66 are only slightly above detection limits.

A preliminary analysis of the groundwater data suggests that free product has penetrated the silt unit in the vicinity of the pencil pitch storage tank location. Based on the low concentrations of contamination detected in MW-15-66, it appears that the contamination detected in MW-15-50 was not present prior to the installation of the support pilings. However, it is not clear at this time whether the migration of contamination through the silt units occurred as a result of contaminant dragdown during pile installation or indicates that the support pilings have created a conduit that will allow continued migration of free phase product through the silt unit and into the alluvial zone.

DEQ-1

Ms. Sandra Hart October 1, 1999 Page 2

Until it can be demonstrated existing conditions have not been exacerbated due to the installation of support pilings, DEQ will not approve the installation of any subsequent storage tanks. DEQ requests that Northwest Natural develop a plan to assess the source of the high concentrations of benzene, naphthalene and acenaphthylene detected in monitoring well MW-15-50. The plan should present an approach to determine whether the observed contamination is associated with the installation of the support pilings and whether a conduit for ongoing migration of free phase product through the silt unit and into the alluvial zone has been created.

If you have any questions in this matter, please contact me at 229-5648.

Sincerely,

Eric L. Blischke Project Manager

Waste Management and Cleanup Division

cc: Mike Rosen, NWR/DEQ
Rod Struck, NWR/DEQ
Arnos Kamerer, Koppers Industries

RECEIVED

OCT 0 5 1999

KOPPERS INDS, INC. PORTLAND OR Ms. Sandra Hart October 1, 1999 Page 2

Until it can be demonstrated existing conditions have not been exacerbated due to the installation of support pilings, DEQ will not approve the installation of any subsequent storage tanks. DEQ requests that Northwest Natural develop a plan to assess the source of the high concentrations of benzene, naphthalene and acenaphthylene detected in monitoring well MW-15-50. The plan should present an approach to determine whether the observed contamination is associated with the installation of the support pilings and whether a conduit for ongoing migration of free phase product through the silt unit and into the alluvial zone has been created.

If you have any questions in this matter, please contact me at 229-5648.

Sincerely,

Eric L. Blischke

Project Manager

Waste Management and Cleanup Division

cc: Mike Rosen, NWR/DEQ
Rod Struck, NWR/DEQ
Amos Kamerer, Koppers Industries

Post-it® Fax Note	7671	Date/1/18/99 # of pages 2		
TO TRACI Self		From Anas		
Co./Dept. Phone #		Co. , Phone #		



OCT 0 5 1999

KOPPERS INDS, INC. PORTLAND OR

### Notice of Plan Completion

Return form by September 1, 2004 to:

This form is for reporting year 2003. Refer to the fact sheet "Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act", TUHWR Questions and Answers, and to the Act and regulations for information on planning requirements.

Name of Company:	KOPPERS INC	· · · · · · · · · · · · · · · · · · ·		·	DEQ	
Physical Address:	7540 NW ST HELENS RD, I	State of Oregon  Department of	Department of			
Mailing Address:	KOPPERS INC , 7540 NW SAINT H	Environmental Quality				
Contact Person:	T. J. Turner	,	Title:	General Foreman	Toxics Use/Waste Reduction Assistance	•
Phone Number:	(503) 286-3681	E-Mail Address:	turner	tj@koppers.com	Program  811 SW 6th Avenue  Portland, OR 97204  Phase (502)220 5181	
TRI ID#:	97210KPPRS7540N		DEQ ID#:	ORD027734359	Phone: (503)229-5181 Fax: (503)229-6977 Contact: David Livenge www.deq.state.or.us/ wmc/tuwrap	<b>)</b> O:
under Ore				eted a Reduction Plan, as rec aste Reduction Act, and that		
Name of Se	enior Manager or Business Own	ner: T. J	. Turner			
Signature:	7-9 Tu	me	٤	Date <u>8.30-0</u>	34	

DEQ - HWPPD - TU/WRAP 811 SW Sixth Avenue Portland, OR 97204

> cc: T. Self FAX: 8/30/04

## Reason for Not Preparing Pounds Report

This form is for reporting year 2003. Refer to the fact sheet "Oregon's Toxics Use Reduction and Hazardous Waste Reduction (TUHWR) Act", TUHWR Questions and Answers, and to the TUHWR Act and regulations to clarify when not to prepare a Pounds Report.

Name of Company:	KOPPERS INC			<u>.                                    </u>
Physical Address:	7540 NW ST HELENS RD, F	PORTLAND	OR 97210	
Mailing Address:	KOPPERS INC , 7540 NW SAINT H	IELENS ROAD	, PORTLAND,	OR 97210-3663
Contact Person:	T. J. Turner		Title:	General Foreman
Phone Number:	(503) 286-3681	E-Mail Address:	turnert	-j@koppers.com
TRI ID#:	97210KPPRS7540N		DEQ ID#:	ORD027734359
	nufactures the toxic substance as a necessity of the second section of the section of the second section of the second section of the second section of the section of the second section of the section of th	•	remedial clea	nup activities.
I certify th	e above information is correc	ct:		
Name of Ser	nior Manager or Business Owner:	T. J.	Turner	-
Signature: _	7 J Man	nes	Date	8-30-04
Return for	m by September 1, 2004 to:		- HWPPD T	•

Portland, OR 97204

cc: T. S=1F FAX: 8/30/04

State of Oregon Department of Environmental Quality

Toxics Use/Waste Reduction Assistance

Program 811 SW 6th Avenue Portland, OR 97204 Phone: (503)229-5181 Fax: (503)229-6977 Contact: David Livengood www.deq.state.or.us/ wmc/tuwrap



## Department of Environmental Quality

Headquarters 811 SW Sixth Avenue Portland, OR 97204-1390 (503) 229-5696 FAX (503) 229-6124 TTY (503) 229-6993

August 5, 2004

Hazardous Waste Coordinator Koppers Inc 7540 NW Saint Helens Road Portland, OR, 97210-3663

AUG 1 3 2004

RE: Report(s) due September 1, 2004

Oregon's 1989 Toxics Use Reduction and Hazardous Waste Reduction (TUHWR) Act was one of the first State laws to promote pollution prevention through facility-wide planning. Since its passage, businesses throughout the State have successfully employed the law's planning requirements to reduce their use of toxic chemicals and generation of hazardous wastes. We are writing to inform you that our records indicate your facility is subject to TUHWR Act's planning and/or reporting requirements.

The planning and reporting requirements apply to certain businesses, industrial facilities, government agencies and institutions categorized as:

- Small Quantity Generators are facilities that generate between 220 and 2,200 pounds of hazardous waste in a calendar month. These facilities must prepare a *Reduction Plan*, submit to DEQ a *Notice of Plan Completion*, and keep them on site.
- Large Quantity Generators are facilities that generate more than 2,200 pounds of hazardous waste or more than 2.2 pounds of acutely hazardous waste in a calendar month. These facilities must prepare a *Reduction Plan*, submit to DEQ a both a *Notice of Plan Completion* and a *Pounds Report*, and keep them on site
- Large Users users of toxic chemicals who are required to report under the federal Toxics Release Inventory program (Section 313 of the Emergency Planning and Community Right-to-Know Act). These facilities must prepare a Reduction Plan, submit to DEQ both a Notice of Plan Completion and a Pounds Report, and keep them on site.

If your facility is in one of the above categories, you must send DEQ the associated form(s) applicable to your specific category. The planning or reporting requirements may not apply to some facilities, and you may be able to claim an exemption. If you believe your facility is not subject to the TUHWR requirements, please complete the *Reason for Not Preparing Plan* form or the *Reason for Not Preparing Pounds Report*. This information will help us avoid sending

we don't gratify for the TRI Reporting! Not enough employees or bours worked

you unnecessary paperwork in the future. The due date for returning these forms to DEQ is: September 1, 2004.

Please submit your form(s) to:

DEQ HWPPD TUWRAP

811 SW Sixth Ave Portland, OR 97204

Please check your mailing address. If it is incorrect, please make corrections on the form(s) you return to DEQ.

If you would like to learn more about the TUHWR exemptions, planning and reporting requirements, or how to request free technical assistance, please read the enclosed fact sheet. If you want to obtain additional copies of forms and more specific information, please visit DEQ's web site at <a href="www.deq.state.or.us/wmc/tuwrap.html">www.deq.state.or.us/wmc/tuwrap.html</a> and click on the TUHWR Reporting Fact Sheet & Forms link. If you believe that our records are incorrect or just have questions about the requirements, please contact your nearest technical assistance provider or call me at 503-229-5181 or e-mail <a href="livengood.david@deq.state.or.us">livengood.david@deq.state.or.us</a>. Thank you in advance for helping us implement the TUHWR Program.

Sincerely,

David Livengood

Dain Jungoul

Toxics Use & Waste Reduction Assistance Program

Coordinator

#### Enclosures

1. Reporting Forms: NPC APR

2. Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act Fact Sheet



# Reason for Not Preparing Plan

This form is for Reporting Year 2003. Refer to the fact sheet "Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act", TUHWR Questions and Answers, and to the Act and regulations for information on planning requirements.

Name of Company:	KOPPERS INC			<del>_</del>
Physical Address:	7540 NW ST HELENS RD, PO	ORTLAND,	OR 97210	
Mailing Address:	KOPPERS INC , 7540 NW SAINT H	ELENS ROAD	, PORTLAND,	OR 97210-3663
Contact Person:	AMOS S KAMERER		Title:	PLANT MANAGER
Phone Number:	(503) 286-3681	E-Mail Address:		
TRI ID#:	97210KPPRS7540N		DEQ ID#:	ORD027734359
	ave to prepare a Reduction Feduction Feduction (TUHWR) Act requi			Use Reduction and Hazardous lity: (check all that apply)
 □ Ma	nufactures the toxic substance as a	product		
	enerates the hazardous waste solely	•	remedial clear	nup activities.
☐ Is a	a Conditionally-Exempt Generator ar	nd not a Large	Toxics User.	
	a Conditionally-Exempt Generator, naccumulative toxic (PBT) chemicals			
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☐ imp	plements an Environmental Manage	ment System	(EMS) that me	eets the conditions for the exemption.
☐ lm <sub>l</sub>	plements a consumer education pro	gram that med	ets the condition	ons for the exemption.
	is the prior owner's Reduction Plan o port if your facility is a Large Toxics			ote: You may need to still prepare a Pounds enerator.
□ Мо	oved out of state, or is out of busines	s.		
i certi	fy that the information above	e is correct		
Name	of Senior Manager or Business O	wner:	<del> </del>	
Signati	ure:			Date:
Retur	n form by September 1, 2004	to:	DEQ – HW 811 SW Six	PPD TUWRAP



Department of Environmental Quality

Toxics Use/Waste Reduction Assistance Program

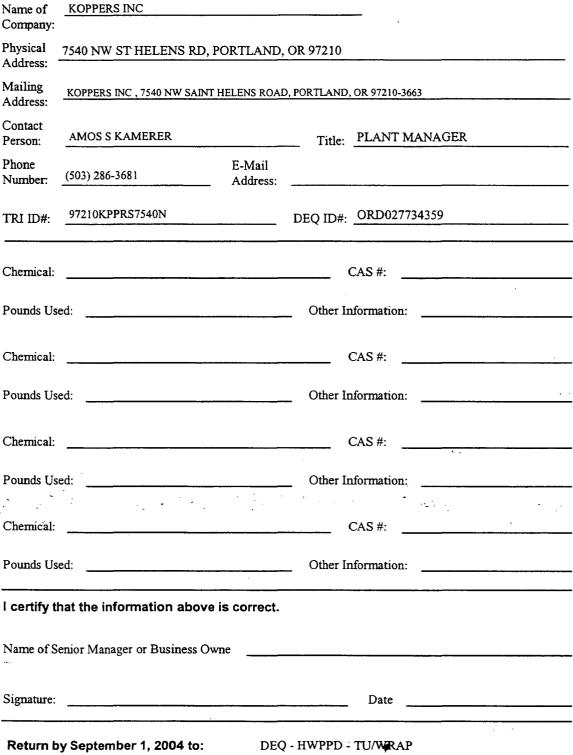
811 SW 6th Avenue Portland, OR 97204 Phone: (503)229-5181 Fax: (503)229-6977 Contact: David Livengood

www.deq.state.or.us/ wmc/tuwrap

## Pounds Report

3"

Use this form to report toxic substance use for Reporting Year 2003. Refer to the fact sheet "Oregon's Toxics Use Reduction and Hazardous Waste Reduction (TUHWR) Act", TUHWR Questions Answers, and to the TUHWR Act and regulations for reporting requirements. You may make copies of this form if you have more than four chemicals to report





State of Oregon
Department of
Environmental
Quality

Toxics Use/Waste Reduction Assistance Program 811 SW 6th Avenue Portland, OR 97204 Phone: (503)229-5181 Fax: (503)229-6977

Contact: David Livengood www.deq.state.or.us/ wmc/tuwrap

DEQ - HWPPD - TU/WRAP 811 SW Sixth Avenue Portland, OR 97204

# Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act

#### What does the Act do?

Oregon's Toxics Use Reduction and Hazardous Waste Reduction (TUHWR) Act of 1989 was one of the first laws in the nation to mandate pollution prevention planning. The Act is a comprehensive approach to reducing or eliminating toxic substances use and hazardous wastes generation.

## What does the Act require?

By requiring certain facilities to develop a *TUHWR Reduction Plan and* monitor their progress, the Act encourages Oregon facilities to continuously improve their operations. Since the adoption of the Act, numerous facilities throughout the state have reduced the use of toxic chemicals and the generation of hazardous wastes. For examples of success stories, see DEQ Internet site at:

http://www.deq.state.or.us/wmc/tuwrap/success.html

## Facilities that must comply with the TUHWR Act

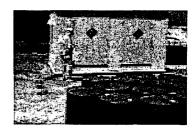
The Act's requirements affect three groups:

- Large Toxics Users: Users of toxic chemicals who are required to prepare a Form R or Form A under the federal Toxics Release Inventory program (Superfund Amendments and Reauthorization Act, Title III, Section 313).
- Large Quantity Generators: Facilities that generate more than 2,200 pound of hazardous waste or more than 2.2 pounds of acutely hazardous waste in a calendar month.
- Small Quantity Generators: Facilities that generate between 220 and 2,200 pounds of hazardous waste in a calendar month.

#### **Exemptions & Special Circumstances**

There are exemptions and circumstances that, if applicable a facility would not have to comply with the TUHWR Law. Those apply if a facility:

- Manufactures a toxic substance as a product for sale;
- Generates hazardous waste solely as a result of remediation (i.e., environmental cleanup activities;
- Generates hazardous waste due to a onetime cleanout event;



- Instituted an environmental management system (EMS);
- Implemented a consumer education program to increase demand for less toxic products;
- Recently changed ownership and the Reduction Plan prepared by a prior owner is still valid; and
- Has moved outside of Oregon or is out of business

If you believe your facility can claim an exemption or special circumstance, please verify the exemption and get the required notification form from your nearest technical assistance provider listed at the end of this fact sheet.

## Toxics Use & Hazardous Waste Reduction Plan

Large toxics user, large quantity generator or small quantity generator must prepare a *TUHWR Reduction Plan*, unless your facility has an exemption. The purpose of a *Plan* is to help your facility reduce its toxic chemicals use and, as a second priority, its hazardous waste generation. The *Plan* encourages you to review your processes and procedures. The *Plan* should cover a five- to ten-year planning cycle.

The TUHWR Plan should include:

- Policy statement;
- Plan scope and objectives;
- Reduction evaluations;
- Employee awareness and training program;
- Institutionalization an integration into management practices and procedures; and
- Implementation plan.

Your Reduction Plan is not public information and should remain at your facility. However, your Notice of Plan Completion is public information.



State of Oregon Department of Environmental Quality

Toxics Use/Waste Reduction Assistance

811 SW 6th Avenue Portland, OR 97204 Phone: (503) 229-5181 Fax: (503) 229-6977 Contact: Oravid Livengood www.deq.state.or.us/wmc/tu wrap.html

## Chemicals and hazardous wastes to include in a TUHWR Plan

As part of your *Plan*, a facility must evaluate options to reduce its toxics use and hazardous wastes generation that meet the following quantity thresholds:

- Any toxic substance used in quantities greater than 10,000 pounds a year;
- Any toxic substance used in quantities in excess of 1,000 pounds a year that constitutes 10% or more of the total toxic substances used; and
- For large and small quantity generators, any hazardous waste representing 10% or more by weight of the cumulative hazardous waste stream generated per year.

Toxic substances you must evaluate in the *Plan* are those that your facility reports to EPA though its Toxics Release Inventory (TRI) program; see <a href="https://www.epa.gov/tri/chemical.htm">www.epa.gov/tri/chemical.htm</a> for the current list. Please note that you do not need to evaluate the TRI persistent, bioaccumulative, and toxic (PBT) chemicals this year.

The hazardous wastes you must evaluate are the D, F, K, P, and U listed and characteristic wastes under the federal hazardous waste regulations. You can find a description of the waste codes on pages 55 to 69 within the reference document at <a href="https://www.deq.state.or.us/wmc/documents/hwrpt39-74.pdf">www.deq.state.or.us/wmc/documents/hwrpt39-74.pdf</a>.

## Reporting

After completing a *TUHWR Reduction Plan*, facilities must submit a *Notice of Plan Completion* provided by DEQ.

Large toxics user (LTU) or a large quantity generator (LQG) must prepare and keep on site an Annual Progress Report. The Annual Progress Report is not public information and should remain at the facility. LTUs and LQGs must also annually submit a Pounds Report on a form provided by DEQ. The information you submit on the Pounds Report is public information. If you are a small quantity generator (SQG), you do not need to submit a Pounds Report.

For more details about the Annual Progress Report or Pounds Report, please refer to the TUHWR Questions & Answers or call a DEQ technical assistance provider.

#### **Technical Assistance Resources**

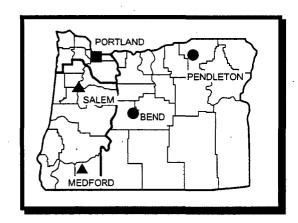
For more details about the TUHWR requirements, refer to the Act or the TUHWR Questions & Answers at

http://www.deg.state.or.us/wmc/tuwrap/tuwrap-reportsFAQ.pdf. The statute can be found in Oregon Revised Statutes 465.003 to 465.037.

The Act's regulations can be found in Oregon Administrative Rules 340-135-0000 to 340-135-0110 or www.deq.state.or.us/wmc/tuwrap.html.

DEQ's Toxics Use & Waste Reduction Assistance Program (TUWRAP) provides free technical assistance. TUWRAP staff statewide can help your facility:

- Reduce its toxic substance use and hazardous waste generation;
- Obtain compliance assistance or provide other services (e.g., training);
- Complete or update its Reduction Plan or assist with DEQ reporting; or
- Provide TUHWR forms, or you can download them from TUWRAP's web page at www.deq.state.or.us/wmc/tuwrap.html



## Eastern Region:

- Bend: Jeannette Freeman, (541) 388-6146, x229
- Pendleton: Dan Lobato, (541) 278-4606

#### Northwest Region:

- Portland: David Kunz, (503) 229-5336
- Portland: Rich Grant, (503) 229-5560
- Portland: Peter Anderson, (503) 229-5564

#### Western Region:

- ▲ Medford: Lisa Freeman, (541) 776-6010, x239
- ▲ Salem: Bart Collinsworth, (503) 378-8240, x258

If you have specific questions about the Toxics Use & Hazardous Waste Reduction Program, please contact David Livengood, TUWRAP Coordinator, in Portland at (503) 229-5181 or (800) 452-4011 within Oregon.



## Reason for Not Preparing Pounds Report

This form is for reporting year 2002. Refer to the fact sheet "Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act" and to the Act and regulations for clarification on when the following reasons for not preparing a Pounds Report may apply.

Name of Company: Koppers In	nc.		SIC c	ode(s):_	2865
Physical Address: 7540 NW saint Hele	ens Road, Po	ortland,	Oregon		
Mailing Address: 7540 NW Saint Hele	ens Road, Po	ortland,	Oregon	97210-	-3663
Contact Amos S. Kamerer		Title:	Plant	Manage	er
Phone number: 503-286-3681	E-mail a	address: <u>k</u> ā	mereras	@koppe	ers.com
TRI ID #: 97210KPPRS7540N		DEQ ID #	:_ORD027	73459	
<ul><li>I was a Large Quantity Generator reporting thresholds. I was not a</li><li>My facility has moved out of state</li></ul>	Large User.	·	bstances in	excess o	f the planning and
My signature below certifies tha	t the information	on above	is correct	<b>.</b> .	
Name of Senior Manager or Business	Owner: Amos	S. Kame	erer		· · · · · · · · · · · · · · · · · · ·
Signature:			Date: 1	0/3/03	
Send this form by October 20, 2	8	DEQ – HWI 311 SW Six Portland, OI	th Avenue	'RAP	

<b>DEQ</b>
State of Oregon Department of Environmental Quality

Reduction Assistance Program 811 SW 6<sup>th</sup> Avenue Portland, OR 97204 Phone: (503) 229-6015 Fax: (503) 229-6977 Contact: Elaine Glendening

www.deq.state.or.us/wmc/tu

Toxics Use/Waste

wrap.html

Post-it\* Fax Note 7671 Date / 0/3/03 # of pages 2

To T. Self From Amos

Phone # Phone #

Fax # Fax #

Last Updated: 5/15/03 By: E. Glendening

## Pounds Report

93

Use this form to report on toxic substance use for reporting year 2002. Refer to the fact sheet "Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act" and to the Act and regulations for information on reporting requirements. You may make copies of this form if you have more than four chemicals to report.

Name of Company:	KOPPERS IN	DUSTRIES IN	<u>C</u> .		SIC Code(s):	INTERMEDIATES
Physical Address:	7540 NW ST H	IELENS RD, P	ORTLAND	, OR 97210		
Mailing Address:	7540 NW ST H	IELENS RD, P	ORTLAND	, OR 97210-3663	3	
Contact Person:	AMOS S KAM	ERE R		Title: Pla	nt Manager	
Phone Number:	(503) 286-368	1	E-Mail Address:	Unknown		
TRI ID#:	97210KPPRS7	540N	· · · · · · · · · · · · · · · · · · ·	DEQ ID#: O	RD0277343	59
Chemical:				CAS	#:	
Pounds Us	ed:			_ Other Inform	nation:	
Chemical:			<del></del>	CAS	#:	
Pounds Us	ed:		·	_ Other Inform	nation:	
Chemical:				CAS	#:	
Pounds Us	ed:			_ Other Inform	nation:	
Chemical:				CAS	#:	
Pounds Us	ed:			Other Inform	nation:	
My signa	ture below ce	tifies that the	informati	on provided al	bove is co	rrect.
Name of S	enior Manager o	r Business Own	ner:			
Signature:		· · · · · · · · · · · · · · · · · · ·		I	Date	
Send this	s form by Octo	ober 20, 2003	811 SW	HWPPD - TU/W / Sixth Avenue d, OR 97204	TR <b>Á</b> P	
Printed: 9/	/18/2003	APRNew	143615		www.deq.st	ate.or.us/wmc/tuwrap.html



Toxics Use/Waste Reduction Assistance Program

811 SW 6th Avenue Portland, OR 97204 Phone: (503)229-6015 Fax: (503)229-6977 Contact: Elaine Glendening



Department of Environmental Quality

Headquarters 811 SW Sixth Avenuc Portland, OR 97204-1390 (503) 229-5696 FAX (503) 229-6124 TTY (503) 229-6993

Aprcrt 87

September 19, 2003

Koppers Industries Inc 7540 NW St Helens Rd Portland, OR 97210-3663

RE: Requirement to Complete the Annual Pounds Report by October 20, 2003

Oregon's 1989 Toxics Use Reduction and Hazardous Waste Reduction Act (TURHWRA) was one of the first State laws to promote pollution prevention through facility-wide planning. Since its passage, businesses throughout the State have successfully employed the law's planning requirements to reduce their use of toxic chemicals and to reduce generation of hazardous wastes. The law requires that certain businesses, industrial facilities, government agencies, and institutions review their practices and processes that use toxic substances and generate hazardous wastes; prepare facility-wide Reduction Plans; and report annually on the progress they have made in implementing their plans.

We are writing to inform you that our records indicate that your facility has completed (or should have completed) a Reduction Plan and falls into one or both of the following categories required to prepare an Annual Progress Report:

- Large Quantity Generators persons who generate more than 2,200 pounds of hazardous waste or more than 2.2 pounds of acutely hazardous waste in a calendar month.
- Large Users users of toxic chemicals who are required to report under the federal Toxics Release Inventory program (Section 313 of the Emergency Planning and Community Right-to-Know Act).

In addition to preparing the Annual Progress Report, which is kept on-site, facilities in these categories are required to track the pounds of certain toxic chemicals used and to report this information annually to DEQ. Please complete and submit the enclosed Pounds Report form by October 20, 2003.

Please submit the form to:

DEQ – HWPPD – TU/WRAP 811 SW Sixth Ave Portland, OR 97204 RECEIVED

SEP 2 2 2003

KOPPERS INDS, INC. PORTLAND OR



Note: Please check the information on your mailing label. If it is incorrect, please make corrections on your form.

When reporting on the quantities of toxic chemicals from your Annual Progress Report, consult your Reduction Plan and the enclosed fact sheet "Oregon's Toxics Use and Hazardous Waste Reduction Act." In certain situations, your facility may not need to prepare a Pounds Report form; please see the enclosed fact sheet and the "Reason for Not Preparing Pounds Report" form. Please note that we are not asking you to include the quantities of hazardous waste that you generated in the Pounds Report. Hazardous waste generators submit the required information each March. Please keep a copy of your Pounds Report form on site.

For reporting year 2002, online reporting will not be available, because DEQ is upgrading its computer system. All reporting must be submitted on the attached forms.

To obtain further information on TURHWRA requirements or to receive technical assistance, please see the enclosed fact sheet. You can obtain copies of forms and other information on our Web site: <a href="https://www.deq.state.or.us/wmc/tuwrap.html">www.deq.state.or.us/wmc/tuwrap.html</a>. If you believe that our records are incorrect or have questions about the requirements, please contact me at 503-229-6015 or at <a href="mailto:glendening.elaine@deq.state.or.us">glendening.elaine@deq.state.or.us</a>.

Sincerely,

Elaine Glendening

Toxics Use/Waste Reduction Assistance Coordinator

Elaine Glendering

## Enclosures:

- Form: Pounds Report
- Form: Reason for Not Preparing Pounds Report
- Fact sheet: Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act



# Notice of Plan Completion

27

This form is for reporting year 2002. Refer to the fact sheet "Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act" and to the Act and regulations for information on planning requirements.

Name of Company:	KOPPERS INDUSTRIES INC	·	,	_ SIC Code(s):	2865: CYCLIC CRUDES & INTERMEDIATES
Physical Address:	7540 NW ST HELENS RD, I	PORTLAND	, OR 97210		
Mailing Address:	7540 NW ST HELENS RD,	PORTLANI	O, OR 97210-	-3663	
Contact Person:	AMOS S KAMERE R		Title:	PLANT MAN	JAGE R
Phone Number:	(503) 286-368 1	E-Mail Address:	Unknown		
TRI ID#:	97210KPPRS7540N		DEQ ID#:	ORD0277343	59
required	hat the business identified under Oregon's Toxics Us				
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required that this I Name of Se Signature:	under Oregon's Toxics Us Plan is kept on site. enior Manager or Business Ow	e Reductio  mer: Amc  3 to: DEQ 811 S	n and Haza os S. Kam - HWPPD -	erer  Date 10/ TU/WRAP enue	Reduction Act, and
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DEQ State of Oregon Department of Environmental

Toxics Use/Waste Reduction Assistance Program

Quality

811 SW 6th Avenue Portland, OR 97204 Phone: (503)229-6015 Fax: (503)229-6977 Contact: Elaine Glendening

## Reason for Not Preparing Plan

This form is for reporting year 2002. Refer to the fact sheet "Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act" and to the Act and regulations for clarification on when the following reasons for not preparing a Plan may apply.

Name of Company:	SIC code(s):
Physical	
Address:	
Mailing Address:	
	,
Contact	Tid
Person:	Title:
Phone number:	E-mail address:
TRI ID #:	DEQ ID #:
Waste Reduction Act for the followin  I am not subject to these requirements, beca  I manufactured the toxic substance as a  I generated the hazardous waste solely  I was a Conditionally-Exempt Generate  I was a Conditionally-Exempt Generate bioaccumulative toxic (PBT) chemicals  I am claiming or applying for an exemption  I certify that I generated the hazardous previously a Conditionally-Exempt Generated I certify that I have an Environmental Mexemption.	nuse: a product. as a result of remedial activities. or and not a Large User. or and not a Large User and only report quantities of persistent as as part of the Toxic Release Inventory Program (TRI).  or a from these requirements: waste as a result of a one-time cleanout event and that I was
that meets the conditions for this exemp	
	a Reduction Plan that is still valid and that is retained at the d to prepare a Pounds Report, depending on your status.)
My signature below certifies that the	information above is correct.
Name of Senior Manager or Business Owner	er:
Signature:	Date:
Send this form by October 20, 2003 t	o: DEQ – HWPPD-TUWRAP 811 SW Sixth Avenue

Portland, OR 97204



Toxics Use/Waste Reduction Assistance Program

811 SW 6th Avenue Portland, OR 97204 Phone: (503) 229-6015 Fax: (503) 229-6977 Contact: Elaine Glendening www.deq.state.or.us/wmc/tu

wrap.html

Last Updated: 5/15/03-By: Elaine Glendening



## Department of Environmental Quality

Headquarters

811 SW Sixth Avenue Portland, OR 97204-1390 (503) 229-5696 FAX (503) 229-6124 TTY (503) 229-6993

Dlgnpc 26

September 19, 2003

DEQ:TUR:NPCDlq: 143615 Koppers Industries Inc 7540 NW St Helens Rd Portland, OR 97210-3663

RE: Requirement to Submit a Notice of Plan Completion by October 20, 2003

Oregon's 1989 Toxics Use Reduction and Hazardous Waste Reduction Act (TURHWRA) was one of the first State laws to promote pollution prevention through facility-wide planning. Since its passage, businesses throughout the State have successfully employed the law's planning requirements to reduce their use of toxic chemicals and to reduce generation of hazardous wastes.

We are writing to inform you that our records indicate your facility is subject to TURHWRA planning requirements and therefore must complete a Reduction Plan. The deadline for developing your Plan has passed. You are required to notify DEQ of plan completion by October 20, 2003.

Please submit the "Notice of Plan Completion" (NPC) form that is enclosed to:

DEQ - HWPPD - TU/WRAP 811 SW Sixth Ave Portland, OR 97204

Please keep a copy of your Plan and NPC form on site.

The law requires that certain businesses, industrial facilities, government agencies, and institutions review their practices and processes that use toxic substances and generate hazardous wastes; prepare facility-wide Reduction Plans; and report annually on the progress they have made in implementing their plans. "Toxics Users" falling into one or more of the following categories are required to develop a Reduction Plan:

- Small Quantity Generators persons who generate between 220 and 2,200 pounds of hazardous waste in a calendar month.
- Large Quantity Generators persons who generate more than 2,200 pounds of hazardous waste or more than 2.2 pounds of acutely hazardous waste in a calendar month. RECEIVEL

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• Large Users - users of toxic chemicals who are required to report under the federal Toxics Release Inventory program (Section 313 of the Emergency Planning and Community Right-to-Know Act).

Some facilities may not be subject to planning requirements or may be able to claim an exemption. To find out more, please see the enclosed fact sheet "Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act." If you are not subject to Plan requirements or are claiming an exemption, please complete the form "Reason for Not Preparing Plan" that is on the reverse side of the NPC form. This information will help us avoid sending you unnecessary paperwork in the future.

Note: Please check the information on your mailing label. If it is incorrect, please make corrections on your form.

To obtain further information on TURHWRA requirements or to receive technical assistance, please see the enclosed fact sheet. You can obtain copies of forms and other information on our Web site: <a href="https://www.deq.state.or.us/wmc/tuwrap.html">www.deq.state.or.us/wmc/tuwrap.html</a>.

If you believe that our records are incorrect or have questions about the requirements, please contact me at 503-229-6015 or at glendening.elaine@deq.state.or.us

Sincerely,

Elaine Glendening

Toxics Use/Waste Reduction Assistance Coordinator

Elaine Glendering

#### Enclosures:Form:

- Notice of Plan Completion
- Form: Reason for Not Preparing Plan
- Factsheet: Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act

# Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act

#### What does the Act do?

Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act of 1989 was one of the first laws in the nation to mandate pollution prevention planning. It was developed with the support of both the business and environmental communities.

The Act takes a comprehensive approach to reducing pollution at its source by encouraging Oregon's businesses and institutions to make facility-wide changes that reduce or eliminate the use of toxic substances and generation of hazardous wastes. By requiring affected parties to develop Reduction Plans and monitor their progress, the Act also encourages Oregon facilities to continuously improve their operations. Since the adoption of the Act, facilities throughout the state have reduced the use of toxic chemicals and the generation of hazardous wastes.

## Do the Act's requirements affect me? The Act's requirements affect three groups of "Toxics Users:"

 Large Users: users of toxic chemicals who are required to prepare a Form R or Form A under the federal Toxics Release Inventory program (Superfund Amendments and Reauthorization Act, Title III, Section 313).

- Large Quantity Generators: facilities that generate more than 2,200 pound of hazardous waste or more than 2.2 pounds of acutely hazardous waste in a calendar month.
- Small Quantity Generators: facilities that generate between 220 and 2,200 pounds of hazardous waste in a calendar month.

## Do I need to prepare a Reduction Plan? What is its purpose?

If your facility is a Toxics User (as defined above), you are required to develop a *Reduction Plan*. The purpose of a Reduction Plan is to help you reduce your use of toxic chemicals and, as a second priority, reduce your generation of hazardous waste. Preparing the Plan encourages you to review your processes and procedures and make a thoughtful search for reduction methods that you can implement. The Plan should cover a five- to ten-year time frame.

#### What elements should my Plan include?

<u>Policy statement.</u> This policy articulates support by your facility's senior management for the Reduction Plan and a commitment to implement it

<u>Plan scope and objectives</u>. Your Plan should identify and evaluate reduction opportunities and involve employees in reduction awareness efforts.

Reduction evaluations. This is the core part of your Plan. You should first collect and examine data on the types and amounts of toxic substances you used and the hazardous wastes you generated. The next step is to determine what processes used the toxic chemicals and generated the wastes. Having completed this status review, you can then identify potential reduction or recycling methods. Your Plan should document the rationale for the reduction options you considered:

- Explain why any of the options considered but not implemented were not technically or economically feasible.
- Show that toxics use reduction options were given priority over hazardous waste reduction options where feasible.
- Point out potential cross-media impacts of options (e.g., shifts in pollutants from sanitary sewer to air emissions, with consequences for human health).

Employee awareness and training program. While owners and managers set the priority and tone for reduction efforts, it generally takes a team effort to make it happen. Employees should be involved in reduction planning and implementation to the maximum extent feasible. This part of the Plan describes how you are involving employees and raising their awareness.

<u>Institutionalization</u>. You should describe how the Plan is being incorporated in management practices and procedures to ensure that reduction planning is an ongoing effort.

Implementation plan. In this part of the Plan, you describe feasible reduction options and provide details (e.g., tasks and dates) on how the options you selected will be implemented.



State of Oregon Department of Environmental Quality

Toxics Use/Waste Reduction Assistance Program

811 SW 6th Avenue Portland, OR 97204 Phone: (503) 229-6015 Fax: (503) 229-6977 Contact: Elaine Glendening www.deq.state.or.us/wmc/tu wrap.html After completing a Reduction Plan, you must submit a *Notice of Plan Completion* (a form provided by DEQ). This form is due by September 1 following the calendar year in which your facility became a Toxics User.

Your Reduction Plan is not public information and should remain at your facility. However, your Notice of Plan Completion is public information.

## Which chemicals and hazardous wastes should I include in my Plan?

As part of your Plan, you must evaluate opportunities for reducing the use of toxic substances and the generation of hazardous wastes meeting the following quantity thresholds:

- Any toxic substance used in quantities greater than 10,000 pounds a year;
- Any toxic substance used in quantities in excess of 1,000 pounds a year that constitutes 10% or more of the total toxic substances used; and
- For Large and Small Quantity Generators, any hazardous waste representing 10% or more by weight of the cumulative hazardous waste stream generated per year.

Toxics use means the use or production of a toxic substance. In practice, this can include chemicals that are used as inputs to a production process, created as byproducts during production, released from the production process, or generated as products for sale.

A toxic substance is one that is poisonous or harmful to plant or animal life. The toxic substances you must evaluate in the Plan are the chemicals and chemical categories reportable to the Toxics Release Inventory. On the U.S. EPA's Web site, go to <a href="https://www.epa.gov/tri/chemical.htm">www.epa.gov/tri/chemical.htm</a> for the current list. Please note that the new TRI persistent, bioaccumulative, and toxic (PBT) chemicals do not need to be evaluated.

The hazardous wastes to be evaluated are the D, F, K, P, and U listed and characteristic wastes under the federal Resource Conservation and Recovery Act. On DEQ's Web site, go to <a href="https://www.deq.state.or.us/wmc/documents/hwrpt39-74.pdf">www.deq.state.or.us/wmc/documents/hwrpt39-74.pdf</a> for descriptions of the waste codes.

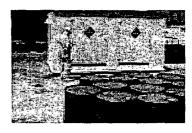
## Do I need to prepare an Annual Progress Report and Pounds Report? What Is their purpose?

If your facility is a Large User or a Large Quantity Generator, you are required to prepare an Annual Progress Report and a Pounds Report. If you are a Small Quantity Generator, you do not need to prepare either one.

You complete the *Annual Progress Report* to update your Plan (if necessary), estimate the quantities of the toxic substances and hazardous wastes evaluated in your Plan, and analyze your progress in reducing them. You may provide additional descriptive detail on reduction progress and impediments if desired. If, during the calendar year, you use new chemicals or generate new hazardous wastes that meet the quantity thresholds for planning (presented above), you must also include them in your Annual Progress Report.

You complete the *Pounds Report* (a form provided by DEQ) to report annually to DEQ on the quantities of toxic substances you used, based on information from your Annual Progress Report. You must submit this information by September 1 of each year. If you were a Large Quantity Generator and did not meet the quantity thresholds for toxic substance planning and reporting (presented above), you can check the appropriate box on the "Reason for Not Preparing Pounds Report" form. If you succeeded in eliminating use of a toxic chemical that you had previously reported, you can highlight this success by entering "0" pounds and indicating how the chemical was eliminated. Please note that you do not need to report quantities of hazardous waste generated on the Pounds Report form, since this information is already reported to DEQ in the Annual Hazardous Waste Report.

Your Annual Progress Report is not public information and should remain at your facility. The information you submit on the Pounds Report is public information.



## In what situations would I be excluded from the Act's requirements?

There are several situations in which your facility would not need to satisfy any requirements of the Toxics Use Reduction and Hazardous Waste Reduction Act:



- You manufactured a toxic substance as a product for sale.
- You generated hazardous waste solely as a result of remediation activities (i.e., environmental cleanup).
- You were not a Toxics User (as defined above).

## When can I obtain an exemption from the Act's requirements?

If you generated hazardous waste due to a onetime clean-out event, you may be able to claim an exemption. You can claim this exemption if you are not a Large User and your hazardous waste generator status changed from Conditionally-Exempt Generator to Large or Small Quantity Generator solely due to a onetime generation event such as a storeroom cleanout or disposal of expired chemical inventories.

You can claim this exemption by checking the appropriate box on the "Reason for Not Preparing Plan" Form. DEQ staff will contact you to verify your status and then prepare an acknowledgement letter. If you meet the terms for this exemption, you will not have to prepare a Reduction Plan, Annual Progress Report, or Pounds Report. Please note that these one-time generation events must not occur more frequently than every five years.



If you implemented an Environmental Management System (EMS), you may be able to claim an exemption. You may claim an EMS exemption provided that your EMS:

- follows a continual cycle of planning, implementation, review, and improvement;
- documents the evaluation of reduction opportunities for toxic substances used and hazardous wastes generated at the facility; and
- includes a means to implement identified reduction opportunities whenever technically and economically practicable.

Alternatively, you may claim this exemption by incorporating the standards outlined above as

part of an EMS that has received independent registration for the ISO 14001 standard.

You can claim this exemption by checking the appropriate box on the "Reason for Not Preparing Plan" Form. DEQ staff will contact you to verify your status and then prepare an acknowledgement letter. If you meet the terms for this exemption, you will not need to prepare a Reduction Plan or an Annual Progress Report. However, you will need to submit a Pounds Report annually to maintain the exemption.

If you implemented a consumer education program to increase demand for less toxic products, you can apply for an exemption. If you are a large user and you have implemented an education program designed to increase demand for a consumer product manufactured at your facility that is nontoxic or less toxic than similar products you currently sell, you may apply for this exemption. To qualify for the exemption, you must have:

- implemented all technically and economically feasible toxics use reduction and hazardous waste reduction opportunities;
- determined that further reductions can only be accomplished by producing less product; and
- demonstrated that the products being promoted use or release smaller numbers or amounts of toxic substances than equivalent manufactured products.

You can apply to DEQ to receive approval for this exemption by checking the box on the "Reason for Not Preparing Plan" form. If you meet the terms for this exemption, you will not need to prepare a Reduction Plan or an Annual Progress Report. However, you will need to submit a Pounds Report annually to maintain the exemption.

# In what other special situations would I not have to satisfy the Act's requirements?

If your facility recently changed ownership and the Plan prepared by a prior owner is still valid, you do not need to prepare a new Plan. When a facility that is subject to the Act's requirements changes ownership, DEQ asks the new owner to prepare a Reduction Plan. This informs the new owner of the Act's requirements and helps ensure that any significant changes in management commitment, facility operations, or toxics/waste reduction activities are captured in a new Plan. However, if changes are minor, a Plan prepared by a prior owner of the facility may still



be valid. You can amend the prior Plan as necessary and check the appropriate box on the back of the "Reason for Not Preparing Plan" form. Please note that you may still need to prepare a Pounds Report, depending on your status.

If your facility has moved out of state or gone out of business, you do not need to satisfy the Act's requirements. Please check the appropriate box on the "Reason for Not Preparing Plan" form or "Reason for Not Preparing Pounds Report" form to let us know about your change in facility status.

## Will DEQ review my Plan and Annual Progress Reports?

DEQ staff may review your Plan and Annual Progress Reports during a technical assistance visit or inspection. DEQ staff can assist you in meeting the planning and reporting requirements and in correcting any deficiencies.

## Where can I obtain the statute and regulations?

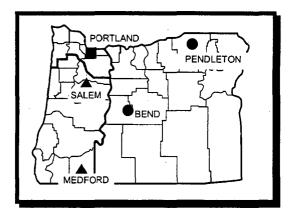
This fact sheet summarizes the Act's requirements; you should review the statute and regulations for more details. The statute can be found in Oregon Revised Statutes 465.003 to 465.037. The Act's regulations can be found in Oregon Administrative Rules 340-135-0000 to 340-135-0110. Links to both can be found at www.deg.state.or.us/wmc/tuwrap.html.

## How can I obtain technical assistance or other information?

DEQ's Toxics Use/Waste Reduction Assistance Program (TU/WRAP) provides free and confidential technical assistance to businesses throughout Oregon. It plays a dual role, helping businesses reduce their use of toxic substances and generation of hazardous waste while also assisting them in coming into compliance with the Act's regulations and hazardous waste regulations. TU/WRAP staff statewide provide on-site consultations, conduct training sessions, respond to facility inquiries, and implement other elements of the Program.

Please contact the TU/WRAP technical assistance provider closest to you for help with:

- reducing your facility's toxic substance use and hazardous waste generation;
- completing your Reduction Plan, Annual Progress Report, and Pounds Report; and
- obtaining an exemption from the Act's requirements.



Eastern Region:

- Bend: Jeff Ingalls, (541) 388-6146, x238
   Pendleton: Dan Lobato, (541) 278-4606
- Northwest Region:
- Portland: Jay Collins, (503) 229-5165;

#### Western Region:

- ▲ Medford: Wayne Kauzlarich, (541) 776-6010, x227
- ▲ <u>Salem</u>: Eric Clark, (503) 378-8240, x253; Bart Collinsworth, (503) 378-8240, x258

For copies of forms or other Toxics Use Reduction and Hazardous Waste Reduction Act information, visit our Web site at <a href="https://www.deq.state.or.us/wmc/tuwrap.html">www.deq.state.or.us/wmc/tuwrap.html</a> or contact Elaine Glendening at (503) 229-6015.



Date: 12/24/99 6:18 AM Sender: Amos Kamerer

To: Traci Self; Mark Cilley

cc: Jim Dietz
Priority: Normal
Subject: ODEQ - TUR

Under separate cover I am faxing you copies of a letter from Jay Collins, approving our exemption from the TUR requirements, with stipulations.

My review produced the following comments or questions:

- \* In his recital, paragraph # 2, he says the pencil pitch is unloaded into a large "open" storage area; I realize that the buildings are large open areas, but they are covered, thus, do we want this changed, so that the file is correct?
- \* Paragraph # 3, the storm water is not discharged to the sanitary sewer.
- \* In the stipulation, what are your interruptions of the last sentence?

Obviously, I want to respond and thank them for this consideration and thought that I could correct these "errors", so that the information in their files is correct. Let me know what you think. Thanks.

Happy Holidays,

Amos

- Pitch Also



## Department of Environmental Quality

Northwest Region 2020 SW Fourth Avenue Suite 400 Portland, OR 97201-4987 (503) 229-5263 Voice TTY (503) 229-5471

December 16, 1999

MR AMOS KAMERER KOPPERS INDUSTRIES INC 7540 NW ST HELENS ROAD PORTLAND OR 97210-3663

Re: HW - TUR Plan Waiver Approval

Dear Mr. Kamerer:

Thank you for your letter of August 31, 1999, explaining why an exemption from Toxics Use Reduction (TUR) Plan requirements makes sense for Koppers Industries in Portland. In this letter and during our site visit on December 1, 1999, you pointed out that your facility is brought into TUR planning solely due to the use of heavy oil as an additive to the production process.

Pencil pitch, which is a solid form of coal tar pitch, is transported to the facility by truck. The raw material is unloaded into a large open storage area and conveyed over to tanks for heating. Then, heavy oil is added for softening point adjustments to bring the coal tar pitch to industry specifications. The liquid coal tar binder is sold to the primary aluminum industry.

Some volatile material is lost in changing the pencil pitch from the solid to the liquid form. However, we learned that this loss is unlikely to have a significant effect on the amount of heavy oil used to bring the coal tar pitch up to specification. Handling pencil pitch in its solid form creates a fine particulate, which falls on the ground. Besides the potential for environmental impacts, additional manpower and stormwater treatment is necessary because of this. Storm water is collected and sampled, then discharged to sanitary sewer. Koppers does remove solids from its catch basins and pitch found collecting on the property, returning them to the process.

Technology has progressed and it is possible to receive the coal tar pitch in a liquid state. A new storage tank and heated pipeline for the receipt of liquid coal tar pitch is under construction. The facility has plans to receive only liquid pitch by the end of the year 2002. When the liquid pitch system is in place a fume combustion unit will be added. Changing from a solid to a liquid coal tar pitch will reduce the fines generated from handling the solid form. It is not known at this time whether the lack of the additional heating step will change the amount of heavy oil used.

## RECEIVED

DEC 2 3 1999

KOPPERS INDS, INC. PORTLAND OR Koppers Industries December 17, 1999 Page 2

The Department of Environmental Quality (DEQ) approves your request for exemption from all TUR requirements, including annual TUR Plan updates and the Annual Pounds Report. With the following stipulations:

• DEQ applies this exemption to your use of heavy oil reported on the Toxics Release Inventory. Use of other TRI listed materials above threshold values or exceeding the Conditionally Exempt Generator (CEG) ceiling of 220 pounds in a calendar month will void this exemption, again triggering TUR planning and reporting requirements. An important note for your facility: Site cleanup wastes do not count towards monthly generator for the purposes of TUR requirements. (See the fact sheet provided by DEQ on site.)

DEQ reserves the right to reconsider this exemption if a problem noted in DEQ's recent Notice of Noncompliance remains unresolved or Koppers Industries fails to institute its liquid handling system in a timely fashion.

DEQ appreciates Koppers Industries help in clarifying our understanding of your process and for your continued push to institute improvements beneficial to Oregon's environment. Please feel free to request our assistance in the future. If you have further questions, please telephone me at 229-5165.

Sincerely,

Jay Collins

Hazardous Waste Specialist

cc: Tim Honadel, DEQ TUR Coordinator, WMC Division, Hazardous Waste Section NWR HW File: Multnomah Co.; Koppers Industries; EPA ID ORD027734359

Oregon

Jay T. Collins Hazardous Waste Waste Reduction Assistance Program (503) 229-5165 collins.jay@deq.state.or.us



DEPARTMENT OF

ENVIRONMENTAL

QUALITY

Northwest Region
2020 SW Fourth Ave., Suite 400
Portland, Oregon 97201-4987
1-800-452-4011
Fax: (503) 229-6945
TTY: (503) 229-5471

Beth Moore Hazardous Waste Waste Reduction Assistance Program (503) 229-5586 Moore.Beth@deq.state.or.us



DEPARTMENT OF ENVIRONMENTAL

QUALITY

Northwest Region
2020 SW Fourth Ave., Suite 400
Portland, Oregon 97201-4987
1-800-452-4011
Fax: (503) 229-6945
TTY: (503) 229-5471

To Amos	
Date 10:25:99 Time	<u>11 <sup>⊥</sup></u> □PM
WHILE YOU WE	
M Mack Gettey Cilley	
ofla	▼ Telephoned
Diffice 708 · 222 · 3456  Area Code Number Est.	
Voicemail	☐ Returned your call ☐ Called to see you
Pager	Wants to see you
Mobile	.   Will call again .   UAGENT
Messass	·
DED- Jay Collins	i) olan)
2) Walk through of	
11/15-19	
Will fay from 12/1	100 - 9AM
	Reorder #23-700

TRAci, Mark -

. WASte Toxic use Reduction Rule

Waten

Air

BAT ANALYSIS

Date: 9/17/99 7:25 AM Sender: Amos Kamerer

Mark Cilley; Traci Self To:

Jim Dietz cc: **Priority: Normal** 

Subject:Re[4]: Toxic Use Reduction Rule Mark,

Could we schedule this for a little later in the day, on Monday the 27th, say 10:30 AM Portland time? I'll just be returning from vacation that morning and TJ will be gone on vacation, thus, I'll be busy getting the guy's going the first thing that morning, plus, I'll need to catch up on things. Let me know. Thanks.

#### **Amos**

Reply Separator Re[3]: Toxic Use Reduction Rule Subject:

Author: Date:

Mark Cilley 9/16/99 2:41 PM

Traci:

It looks like the best time to hold a conference call considering everyone's schedule that I know about will be the week of the 27th. Why don't we plan for the 27th at 1000 a.m. Chicago time 1100 a.m. Pittsburgh time and 0800 a.m. Portland time.

If anyone has conflicts please let us know.

Also, Traci, I will contact you concerning the pre-planning discussion for IDEM as soon as I know the date and time.

Mark

Date: 9/16/99 8:51 AM Sender: Mark Cilley

To: Amos Kamerer; Traci Self

cc: Jim Dietz Priority: Normal

Subject: Re: Toxic Use Reduction Rule

Amos:

This is a typical ploy used by state agencies and the federal government to have input into the decision making process for a facility. It can be a very arduous and trying process or it can be very enlightening with benefits obtained by both parties. It basically depends on whom you work with and what their main objective is.

I believe at this point, especially with your note from yesterday concerning the possibility of enforcement action, that it may work to our advantage to cooperate with them but set some firm guidelines as to how the process should proceed and possibly a waiver of any enforcement action if an item discovered during the process is deemed out of compliance. Your plant is relatively small and there are not a lot of processes that they could get involved in. The only concern I could see would be possibly some more paving/covering of some process areas and the fume system.

As for the tank labeling, (additional thought), I believe we should keep the labels that currently depict the last material contained (change the ones that are faded or can't be read). I don't feel we should place the storm water label on the tanks until such time as they are used for this purpose. As such, we should have the labels on site, change our designation of the tanks in the SPCC to reflect that the tanks contain residue and that they will be used to as storm water surge tanks if the need arises.

Why don't we set up a conference call with yourself, Traci, Jim Dietz and myself to discuss the pros and cons of ODEQ proposal.

Mark

9/14/99 5:21 PM Date: Sender: Amos Kamerer

Mark Cilley; Traci Self

**Priority:** Normal

Subject: Toxic Use Reduction Rule

#### Mark,

Jay Collins, ODEQ called this PM to say that he had reviewed our request with his boss and in light of our recent inspection and the resulting waste water disposal issue that developed; that before granting us an exemption of this rule that they would like for us to consider letting them come into the plant to do a plant inspection - develop BMP's dealing with air, water, hazardous waste and process improvement issue's, etc., etc.,

I explained that I would need to review this with you and Traci, and would get back to him in the next couple of weeks. He said that would be fine. He also asked if we were doing any of this kind of thing, so, I took a little time to explain the SH & E Management System that was just getting started. He seemed pleased to hear this, and commented that perhaps they could be of assistance in this process. I laughed to my self and thought, perhaps, but without any final approval!

Let me know what you think.

**Amos** 

## **KOPPERS**

7540 N.W. St. Helens Rd. Portland, Oregon 97210 (503) 286-3681 9/14/99

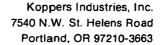
Recent inspection moster material

- Po

evaluation/develope procedures
with us, etc.

Aid Water H. Waste Stacrant Process important

AMOS S. KAMERER





Amos S. Kamerer

Telephone: 503-286-3681 Fax: 503-285-2831

#### **Fax Memorandum**

August 31, 1999

Mr. Jay Collins Oregon DEQ (WRAP) Northwest Region 2020 SW 4<sup>th</sup>, Suite 400 Portland, OR 97201

RE: Toxic Use Reduction Rule

Dear Mr. Collins:

As we discussed on this date, Koppers Industries, Inc. operates a terminal facility that imports coal tar pitch in a solid form and then melts the pitch for loading into rail tank cars or tank trucks for distribution to our Aluminum producing customers. A heavy oil (coal tar distillate) is added back to the product, on an as needed basis for softening point adjustment, to replace the fractions lost during the melting process. As such, there is no processing of this product, only repackaging from a solid to liquid.

The Portland terminal facility is a conditionally exempt small quantity generator of hazardous waste. In 1998 we generated a total of 800 pounds of hazardous waste. The waste generated was debris (absorbents, rags etc.) contaminated with creosote. We no longer use creosote at this facility and the generation of this waste will be discontinued.

Due to these facts, Koppers Industries, Inc. does not fully understand were we would fit into the scheme of this regulation and ask that the Oregon DEQ review our applicability to this rule. We also respectfully request an extension of the associated reporting requirements until such time that a determination of applicability can be made.

Thank you for your time and consideration in this matter.

Amos S. Kamerer

Ce: M. Cilley

T. Self K-1800

# 5 0 3 2 8 6 3 6 8 1

- openating under on EMS
  - Review
  - Extention to 10/1/99
  - 1-503-229-6945 fax
  - Repactaging

Collins. DAY @ DEO, State. OK. US

Koppers Company, Inc. • Tar and Wood Products Sector • 1601 Koppers Building • Pittsburgh, PA 15219



**NOTICE** 

John A. Kitzhaber, M.D., Governor

Annual Toxics Use Reduction Report (TUR)

OAR 340-135-000 through 0110

Department of Environmental Quality

RECEIVED 811 SW Sixth Avenue ortland, OR 97204-1390

(503) 229-5696 FAX (503) 229-6124 TTY (503) 229-6993

AUG - 4 1999

# KOPPERS INDS, INC. PORTLAND OR

Why did I get this notice?	Because your business is registered with DEQ as a hazardous waste generator, or your business filed a form R to comply with the Toxic Chemical Release Inventory (TRI) law.			
What does TUR consist of?	<ol> <li>The Reduction Plan – created the first year and kept at your place of business.</li> <li>Notice of Plan Completion – sent to DEQ when the Reduction Plan is created.</li> <li>The Annual Progress Report – a report on the Reduction Plan, created beginning the first year after the creation of the Reduction Plan and kept with the plan. Small Quantity Generators are not required to complete the Annual Progress Report.</li> <li>Large Toxic Users must report on the pounds of toxic substances used – this is sent to DEQ annually.</li> </ol>			
What should I do?	Determine applicability of the TUR rule by completing at least Parts 1 & 2 of the attached sheet. Follow the directions from there. If the TUR rule is applicable to your business, reporting is due September 1, 1999.			
The Oregon Toxics Use Reduction (TUR) rule does not apply to this facility. How do I get off this list?	<ul> <li>From the attached map, contact the Waste Reduction Assistance Program (WRAP) coordinator assigned to your area to verify that the rule does not apply;</li> <li>Fill out the top of the attached sheet titled Pounds Report;</li> <li>Check the box above the signature line that states that the rule does not apply;</li> <li>Sign the Pounds Report;</li> <li>Mail the Pounds Report to:</li> <li>DEQ - HWPPD/WRAP, 811 SW 6<sup>th</sup> Avenue, Portland, OR 97204</li> </ul>			
How do I get help?	Call the WRAP contact assigned to your area. Assistance is free. Your WRAP contact is identified on the attached map.			
How much will I be billed for?	There is no fee due. You will not be billed.			
I have questions about TRI.	Contact the TRI hot line at 800/535-0202.  or  Contact Tim Honadel, DEQ WRAP Coordinator, at 503/229-5316.			
I have questions about TUR.	Call the WRAP contact assigned to your area. Assistance is free. Your WRAP contact is identified on the attached map.			



## **DEQ's Waste Reduction Assistance Program (WRAP)**

The Hazardous Waste Reduction Assistance Program (WRAP) can provide on-site technical assistance upon request. For more information, contact your nearest regional office. For a list of available publications, contact DEO Headquarters at 811 SW Sixth Avenue, Portland, OR 97204; (503) 229-5913 or 1-800-452-4011.

## THE TECHNOLOGICAL OFFICES

## ■ Northwest Region

2020 SW 4th, Suite 400 Portland, OR 97201 Jay Collins (503) 229-5165 Kevin Masterson (503) 229-5615 Dave Reveley (503) 229-5564



## Eastern Region

2146 NE 4th, Suite 104 Bend, OR 97701 John MacKellar (541) 388-6146 x229

700 SE Emigrant, Suite 330 Pendleton, OR 97801 Barbara Minton (541) 278-4622

## ▲ Western Region (a.6)

750 Front St. NE, Suite 120 Salem, OR 97310 Bart Collinsworth (503) 378-8240 x258 Eric Clark (503) 378-8240 x253

725 SE Main St. Roseburg, OR 97470 Dave Livengood (541) 440-3338 ×230

201 W Main St., Suite 2-D Medford, OR 97501 Wayne Kauzlarich (541) 776-6010 x227

#### Headquarters Office

811 SW 6th Avenue Portland OR 97204 *Tim Honadel* (503) 229-5316

version: July 21, 1999 E:\TJH\TUR\_TRI\_PBT\TUR\WRAP map.doc



# Waste Reduction Assistance Program WORKSHEET -- How do the TUR Requirements Affect You?

Parts 1 & 2 of this worksheet are for your use to help you determine the applicability of the TUR rule.

PART 1 - Large Toxics User  Note: the list of toxic chemicals are found in 40 CFR Part 261 (July 1, 1997)
step A
Figure out the total pounds of toxic chemicals you used in 1998:  ——————————————————————————————————
step B
Do you use over 1000 pounds of any one toxic chemical? $\rightarrow$ no, go to step $C$ yes  Are any of those chemicals 10% or more by weight of the total pounds from step A? $\rightarrow$ no, go to step $C$
Are any of those chemicals 10% of more by weight of the total pounds, from step A? Tho, go to step C
yes – you will need to write a Reduction Plan for those chemicals. Reduction Plan contents are explained in Part 4. Go to step $C$ .
step C
Do you use over 10,000 pounds of a toxic chemical? → no, go to Part 2 - Generator
yes - you will need to write a Reduction Plan for those chemicals & go to Part 2 - Generator
PART 2 – Generator  Note: All businesses must know which of their wastes are hazardous (OAR 340-102-011)
step D
How many total pounds of hazardous waste did your business generate in 1998:
step E
Is your business classified as a Large Quantity Generator? $\rightarrow$ no, go to step $F$
yes – write a Reduction Plan that includes each waste which is 10% or greater of the total from step D and g to Part 3.
step F
Is your business classified as a Small Quantity Generator? →no, go to Part 3
yes - write a Reduction Plan that includes each hazardous waste generated by your business. Go to Part 3

## PART 3 - Administrative Information Concerning the Reduction Plan

- You reach the DEQ Headquarters office at 503/229-5316 or <a href="mailto:honadel.tim@deq.state.or.us">honadel.tim@deq.state.or.us</a>
- Reduction Plans are required to be completed by September 1, 1999. Reporting is due to DEQ by September 1, 1999. Contact the headquarters office for an extension request if necessary.
- All "Large Toxics Users", LQGs, and SQGs must prepare a plan unless specifically exempted. Keep the plan at your facility. Do not send the plan to DEQ. DEQ will verify the plan during an inspection.
- The plan life must be between 5 and 10 years. After the end of the planning life, a new plan may be prepared, or the business may go "year to year" and simply continue to conduct annual evaluations and reporting.
- All "Large Toxics Users" must report the pounds of toxics used each year.
- **EXEMPTIONS** There are 4 ways to be exempt from reduction planning and annual progress report requirements. Contact the DEQ Headquarters office for more information. If your business has received an exemption in the past, keep the documentation of the exemption in your files and check the exemption box on the attached sheet "Notice of Plan Completion." If your exemption is still valid, you do not have to reapply. Please note: there are no exemptions available for *reporting* requirements.
- These regulations can be found in the Oregon Administrative Rules at 340-135-0000 through 0110.

## PART 4 – Reduction Plan Contents

The contents of a Reduction Plan can be found in OAR 304-135-0050(3). Copies of this rule are available in MS Word via e-mail, on the internet, or hardcopy.

Part 5 of this worksheet will assist you in reporting to DEO on your implementation of the TUR rule.

## PART 5 – Reporting Requirements

## Step G

Is this the first Reduction Plan ever written for this company?  $\rightarrow$  no, go to step H

yes – send in the attached "Notice of Plan Completion". Due to DEQ by September 1, 1999. → stop, you are finished with this flow chart.

## Step H

If you have already completed a Reduction Plan (last year or before) and you are a Large Quantity Generator or a Large Toxics User, complete an Annual Progress Report. The due date for the Annual Progress Report is September 1, 1999. Small Quantity Generators are not required to complete an Annual Progress Report -- go to step I. Keep the Annual Progress Report with the plan. Please do not send the Annual Progress Report to DEQ. The minimum elements of an Annual Progress Report are found in OAR 340-135-0070(2). Go to the next step (step I)

#### Step I

Is your business a Large Toxic User? →no, stop, you are finished with this flow chart.

yes - Complete and mail the form entitled "Pounds Report". Due September 1, 1999.

# Waste Reduction Assistance Program - Toxics Use Reduction

# **Notice of Plan Completion**

Send this form to: DEQ - HWPPD/WRAP, 811 SW 6th Avenue, Portland, OR 97204

If your business has received an exemption, fill out the top of this form and check the exemption box below.

Name of Company:	
Physical Address:	
Mailing Address:	
Contact Person:	
Title:	
Phone number:	
email address:	
DEQ ID #:	
SIC Code(s):	
Exemption Box:  This business has received an exemption to the Toxics Use Reduction rule. Docu is kept on site and is available for inspection.	mentation of this exemption
Time period covered by plan:	
please check one box only 5 years; 6 years; 7 years; 8 years;	9 years;10 years
The business identified on this form has completed a plan for reducing toxic subswastes as required by Oregon law. A copy of the plan is kept on location.	stances and/or hazardous
Signature of Senior Manager or Business Owner	DATE



# Waste Reduction Assistance Program - Toxics Use Reduction Pounds Report (Large Toxic Users only)

Send this form to: DEQ - HWPPD/WRAP, 811 SW 6th Avenue, Portland, OR 97204
Make additional copies if more space is needed.

Name of Company:	SIC code(s):
Physical Address:	
	•
Contact Person:	Title:
Phone number: em	ail address:
DEQ ID #:	and/or TRI ID #:
**You may make copies of t	his form if more than four spaces are needed**
Chemical or Waste Name:	
CAS # or Hazardous Waste Code:	Pounds used:
•	
•	
Chemical or Waste Name:	
CAS # or Hazardous Waste Code:	Pounds used:
Other information:	
Chemical or Waste Name:	
	Pounds used:
t e e e e e e e e e e e e e e e e e e e	
Chemical or Waste Name:	
CAS # or Hazardous Waste Code:	Pounds used:
Other information:	
	135-000 through 0110) does not apply to this facility.
The signature below certifies that the information	above is correct:
Signature of Senior Manager or Business Owner	DATE

## **PURCHASE INVOICE**

Purchase Invoice Number: WQ08IND-0620

Purchase Invoice Date: 01/01/08

Page: 1

Pay

To: OREGON ST DEPT ENVIRON QUALIT OR ST DEPT ENVIRO 811 S W SIXTH AVE PORTLAND, OR 97204

Ship

To: PORTLAND TERMINAL 7540 NW Saint Helens Road Portland, OR 97210

Ship Via

Receive By 02/28/08 Terms Net 45 Days Vendor ID 967125006 Confirm To Buyer P.O. Number

P.O. Date 02/28/08

Item No.DescriptionUnitQuantityUnit PriceTotal PriceLICENSES12,942.002,942.00

Subtotal: Invoice Discount:

Total Sales Tax:

2,942.00 0.00 0.00

Total:

2,942.00



# Department of Environmental Quality

811 SW Sixth Avenue Portland, OR 97204-1390 503-229-5696 TTY: 503-229-6993

# PAST DUE NOTICE

February 15, 2008

Koppers Industries, Inc. 7540 NW Saint Helens Rd Portland OR 97210-3663

RE: Source #47430

**KOPPERS** 

NWR, MULTNOMAH County

Our records indicate that the following invoice is past due:

Invoice Number	Permit	Due Date	Invoice Amount	Amount Paid	Amount Due
WQ08IND-0620	NPDES	01/31/2008	\$2,942.00	\$0.00	\$2,942.00

Please note that the Oregon Administrative Rules (OAR) 340-45-070(2) and 340-71-140(6) require timely payment of fees. If fees are not current and your facility is not in compliance, this could lead to formal enforcement actions.

Send your payment to:

Department of Environmental Quality

Attention: Business Office 811 S.W. Sixth Avenue Portland, OR 97204

Please include a copy of your invoice or this reminder with your payment. If you have recently sent your payment, thank you and please disregard this notice.

If you have any questions, or need additional information, please phone (503) 229-5437, TTY 503-229-6993, fax 503-229-5408, or e-mail to: LEMENI.RodneyA@deq.state.or.us.

Sincerely,

Rodney Lemeni, Water Quality Invoice Coordinator

cc: DEQ Regional Office

Othy a. Comin

PP192700000-6/8 385/2

DEQ-1



# Department of Consumer and Business Services

FEIN: 93-0952020

# STATEMENT

BCD Boiler & Pressure Vessel Safety Program

May 1, 2008

KOPPERS INC 7540 NW SAINT HELENS RD PORTLAND OR 97210 Payment Due: Jun 30, 2008

Amount Due: 30.80

Account #: **730003008445** 

**Balance Forward** 

118.80

May 3, 2007

PAYMENT RECEIVED

-118.80

May 1, 2008

PERMIT #: 0000031422. NB/STATE #: ST1142-66.

30.80

DESCRIPTION: SCOTCH MAR 07/01/08-06/30/2009. CODE: P1L.

TYPE: PERMITS.

LOCATION: 7540 NW ST HELENS RD PORTLAND.

REFERENCE: 90041757801.

Total Due

30.80

SITE INFORMATION: KOPPERS INC

7540 NW SAINT HELENS RD, PORTLAND OR 97210

If paying less than the full amount, please return a copy of the billing notice and explain the changes. Vessels

To ensure proper credit, detach stub and return in the envelope provided.

If name or address is incorrect, please make changes below.
KOPPERS INC
7540 NW SAINT HELENS RD
PORTLAND OR 97210

▼ VISA □ MasterCard □ Discover

Make check payable and remit to:

DEPARTMENT OF CONSUMER & BUSINESS SERVICES FISCAL SERVICES SECTION PO BOX 14610 SALEM OR 97309-0445 Credit Card Number

The Company of Credit Card

The Company of Credit Card

3080

Cardholder Signatur

Total

Do not write below this line

Do not write below this line

Do not write below this line

Questions? Call Crystal @ (503) 373-7538

73000300844500000030809

# Department of Consumer and Business Services

FEIN: 93-0952020

Page 2

disconnected and removed from service do not need to be permitted. AMOUNT DUE WILL INCREASE BY 50% IF NOT PAID IN FULL BY DUE DATE. NO GRACE PERIOD.

For Permit/inspection questions, Call (503) 373-7538, For Payment/Balance due questions, Call (503) 378-4453

# PURCHASE INVOICE

Purchase Invoice Number: AQCDP08-004

Purchase Invoice Date: 10/22/07

Page: 1

Pay

To: OREGON ST DEPT ENVIRON QUALIT OR ST DEPT ENVIRO 811 S W SIXTH AVE

Ship

To: PORTLAND TERMINAL 7540 NW Saint Helens Road

Portland, OR 97210

Ship Via

Receive By 10/30/07 Terms Net 45 Days Vendor ID 967125006

PORTLAND, OR 97204

Confirm To Buyer P.O. Number

P.O. Date 10/30/07

Item No.DescriptionUnitQuantityUnit PriceTotal PriceLICENSES13,840.003,840.00

Subtotal: Invoice Discount: 3,840.00 0.00

Total Sales Tax:

0.00

Total:

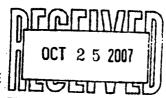
3,840.00



# State of Oregon **Department of Environmental Quality**

# INVOICE

# AIR CONTAMINANT DISCHARGE PERMIT ANNUAL FEE



To: Koppers Industries Inc. 436 7th Ave Pittsburgh, PA 15219-1826 USA Invoice Number: AQCDP08-0048

Invoice Date: 10/22/2007

Due Date: 12/1/2007

Permit Number: 26-2930-SI-01

Location:

Koppers Industries, Inc.

Fees In accordance with OAR 340-216-0020, Table 2, Part 2

7540 NW SAINT HELENS RD PORTLAND, OR 97229

<u>ITE</u> I	AMOUNT DUE	DATE DUE	
Simple ACDP - Low Fee Annual Fee (for 01/01/2008	\$1,920.00		
Simple ACDP - Add on for High Fee Annual Fee (for	01/10/2008 to 12/31/2008)	\$1,920.00	
	TOTAL	\$3,840.00	- 12/1/2007
	TOTAL DUE with 7 Day Late Fee	\$4,032.00	12/8/2007
	TOTAL DUE with 30 Day Late Fee	\$4,224.00	12/31/2007
	TOTAL DUE with 60 Day Late Fee	\$4,608.00	1/30/2008
Questions? Contact DEQ Air Quality Progra	•	1 (Oregon Only), (TTY) 503	3 229-6993
DEQ Copy	Cut here and return bottom portion with payment		
Remit and make checks payable to:	Ir	nvoice Number: AQCDP0	8-0048
Department of Environmental Quality		Amount Due: \$3,840.00	ı
Attn: Accounting Office 811 SW Sixth Avenue Portland, OR 97204-1390	Am	ount Enclosed:	
Facility Name: Koppers Industries, Inc.			
Permit Number: 26-2930-SI-01	Region: NWR		
Check here if your Name, Ownership, or Inv	voice Address has changed and write your new info	rmation on the back of this pay	ment slip.
10040-11110-8105 \$3,840.00		*AQCDP08-00	48*

PPI9270000-

32165

# Declaration Form for Simple ACDP Permit Holders

Instructions: Simple Air Contaminant Discharge Permits are divided into two fee categories, high fee and low fee. In order to continue to qualify for the low fee category, the permittee must meet the low fee criteria for twelve months prior to invoicing and must certify that their estimated emissions for the coming year will meet the low fee criteria. All Simple ACDP sources are being invoiced at the high fee of \$3,840 for 2008 Annual Fees. The Department requires that low fee category sources send this Declaration in along with their payment in order to pay the reduced fee of \$1,920. Certification must be renewed every year. The criteria to qualify for the low fee are defined in OAR 340-216-0064. If you will not meet the low fee criteria for 2007 or if you estimate that your 2008 emissions will exceed the low fee criteria, pay the full invoice amount.

Contact Gregg Dahmen at (503) 229-5108 if you have questions.

### A Source may qualify for the Low Fee if:

(A) the source is, or will be, permitted under only one of the following categories from OAR 340-216-0020 Table 1, Part B (category 25. Electric Power Generation, may be included with any category listed): Category 6. Asphalt felt and coatings; or Category 12. Boilers and other fuel burning equipment; or Category 30. Galvanizing & Pipe coating; or Category 36. Gray iron and steel foundries, malleable iron foundries, steel investment foundries, steel foundries 100 or more tons/yr. metal charged (not elsewhere identified); or Category 37. Gypsum products; or Category 41. Liquid Storage Tanks subject to OAR Division 232; or Category 50. Non-Ferrous Metal Foundries 100 or more tons/yr. of metal charged; or Category 51. Organic or Inorganic Industrial Chemical Manufacturing; or Category 63. Secondary Smelting and/or Refining of Ferrous and Non-Ferrous Metals; or Category 75. All Other Sources not listed in Table 1 which would have actual emissions, if the source were to operate uncontrolled, of 5 or more tons a year of PM<sub>10</sub> if located in a PM<sub>10</sub> non-attainment or maintenance area, or 10 or more tons of any single criteria pollutant in any part of the state; and

- (B) The actual emissions from the 12 months immediately preceding the invoice date, and future projected emissions are less than 5 tons/yr. PM<sub>10</sub> in a PM<sub>10</sub> nonattainment or maintenance area, and less than 10 tons/yr. for each criteria pollutant; and
- (C) The source is not considered an air quality problem or nuisance source by the Department.

		Send Declaration with Payment		
Company		ACDP Permit No.	Date	
certify that our cri for 2008, meet the	teria emissions in the Low Fee requiremen , we will be subject to	eets the requirements for the low for past twelve months, and our projects of OAR 340-216-0064. Should concollection of corrected fees, inclu	ected annual emissions our emissions exceed the	
Certified By:				
Name	Title	Signature		



# Department of Consumer and Business Services

FEIN: 93-0952020

# STATEMENT

BCD Boiler & Pressure Vessel Safety Program

May 1, 2007

KOPPERS INDUSTRIES INC 7540 NW SAINT HELENS RD PORTLAND OR 97210

Payment Due Jun 30, 2007

118.80 Amount Due

Account Number

# 730003008445

	Balance Forward	29.70
Jun 22, 2006	PAYMENT RECEIVED	-29.70
May 1, 2007	PERMIT #: 0000000295. NB/STATE #: STX6366-70X.  DESCRIPTION: AIR TANK 07/01/07-06/30/2009. CODE: U2S.  TYPE: PERMITS.  LOCATION: 7540 NW ST HELENS RD PORTLAND.  REFERENCE: 90039142601.	29.70
May 1, 2007	PERMIT #: 0000031422. NB/STATE #: ST1142-66.  DESCRIPTION: SCOTCH MAR 07/01/07-06/30/2008. CODE: P1L.  TYPE: PERMITS.  LOCATION: 7540 NW ST HELENS RD PORTLAND.  REFERENCE: 90039142701.	29.70
May 1, 2007	PERMIT #: 0000075046. NB/STATE #: NB52. DESCRIPTION: OIL RESERV 07/01/07-06/30/2009. CODE: U2E.	29.70



# Department of Consumer and Business Services

FEIN: 93-0952020

Page 2

TYPE: PERMITS.

LOCATION: CONTROL ROOM AREA.

REFERENCE: 90039142801.

May 1, 2007

PERMIT #: 0000081302. NB/STATE #: NB773874.

29.70

DESCRIPTION: AIR TANK 07/01/07-06/30/2009. CODE: U2S.

TYPE: PERMITS.

LOCATION: OS MAINTAINENCE SHOP.

REFERENCE: 90039142901.

Total Due

118.80

SITE INFORMATION: KOPPERS INDUSTRIES INC 7540 NW SAINT HELENS RD, PORTLAND OR 97210

If paying less than the full amount, please return a copy of the billing notice and explain the changes. Vessels disconnected and removed from service do not need to be permitted. AMOUNT DUE WILL INCREASE BY 50% IF NOT PAID IN FULL BY DUE DATE. NO GRACE PERIOD.

FOR PERMIT/INSPECTION QUESTIONS, CALL (503) 373-7538. FOR PAYMENT/BALANCE DUE QUESTIONS, CALL (503) 378-4453.

## To ensure proper credit, detach stub and return in the envelope provided.

If name or address is incorrect, please make changes below.
KOPPERS STATES INC
7540 NW SAINT HELENS RD

PORTLAND OR 97210

Make check payable and remit to:

DEPARTMENT OF CONSUMER & BUSINESS SERVICES FISCAL SERVICES SECTION PO BOX 14610 SALEM OR 97309-0445 Credit Card Number

T J TURNEY

Name of Paucharder as shown on credit card

VISA 

MasterCard 

Discover

Expiration Date

Cardholder Signature

\$ 118 80 Total

Do not write below this line

Do not write below this line

Do not write below this line

Questions? Call Crystal @ (503) 373-7538

73000300844500000118802

## Kamerer Amos

From:

Cilley Mark

Sent:

Thursday, April 19, 2001 10:26 AM

To:

Kamerer Amos; Self Traci

Cc: Subject: 'Jill Merrill (E-mail)' RE: SARA Reports

### Amos:

You are correct. There are three criteria that must be met to require reporting (you must meet all of them to be required to report). The first requirement is:

Have 10 or more full-time employees or their equivalent (i.e., a total of 20,000 hours or greater). Since you are under 20,000 hours you do not have to report.

### Mark

-----Original Message-----

From:

Kamerer Amos

Sent:

Thursday, April 19, 2001 12:22 PM

To:

Self Traci

Cc:

Cilley Mark; Jill Merrill (E-mail)

Subject:

SARA Reports

Traci,

Just thinking, Portland only worked 19,428 hours in year 2000, and my estimate for year 2001 will be something less than 16,000 hours.

Isn't the trigger number for having to report the form R 20,000 hours or more? Thus, do we need to submit a report for year 2000?

Let me know.

**Amos** 

7540 N.W. St. Helens Rd. Portland, Oregon 97210 Phone: (503) 286-3681

Fax: (503) 285-2831

E-mail: amos\_kamerer@koppers.com

6/16/00

Kin Coy, ACCI Hence the balance of what you requested.

Advise it you weed Anything

Additional —

AMOS S. KAMERER

7540 N.W. St. Helens Rd. Portland, Oregon 97210 Phone: (503) 286-3681 Fax: (503) 285-2831

E-mail: amos\_kamerer@koppers.com

6/16/00

285-263.
nos\_kamerer@koppers...

Anoduction Projection

Gallows

Pitch Heavy oil

8, 572, 727 87,670

105,986

2001

AMOS S. KAMERER

projections	
/	

Petela 23,874 TONS Hoil 426,150 # # Brown 2005/mo = 18/m 1150/mo = 3250/me. 47,150 × 2000 = 93,300,000 = -11 = 8,572,727 gols. P. Feb H.001 426,150# : 966 = 44,381 gols. 2387470N'Sp. toh - 4,340,727 gets 87,670 gate. Est. back to Normal 4750 Ton/MI = 57,000 TONS 10,363,636 gals x ,0102267 Hoil 105,986 5Ms. No effect from Tro, sofoll need Hofen S. P. Ads.

- 3. 1999 wastewater discharge monitoring reports and wastewater analysis
- 4. Information (description and amount) of any other recycling activities?
- 5. Hazardous waste shipments
  - Type of hazardous waste shipped in 1999
  - Quantity of waste
  - Address and name of sites where waste was sent and description of how it was Don't know.

# Miscellaneous Information

- 1. Projected production for 2000 and 2001 Piten + Heavy oil
- 2. Have there been any process changes since the 1998 inventory?
- 3. Has any control equipment been added/removed since 1998 inventory? If s, when?
- 4. Any spills/catastrophic releases in 1999?

If you have any questions or comments, please give me a call at 412 826-3636

Date: 1/21/00 12:03 PM Sender: Amos Kamerer To: Mark Cilley cc: Traci Self Priority: Normal

Subject: Air permit report data

Mark,

Separately, I have faxed you the through put for the terminal during 1999.

Additionally, I have calculated that we worked a total of 6,552 hours and used 584,419 therms of natural gas.

The modifications to the fume recovery system are as follows:

Replaced the steam heating coils in the fume tanks with an electric impedance heating element.
Insulated the fume tank.
Added the demister to the fume tank exhaust stack.

The steam boiler is a 21 MM Btu/hr input. The old hot oil heater is a 8 MM Btu/hr input. The new hot oil heater is a 10 MM Btu/hr input.

I think that this covers everything that you asked for, if not, let me know.

Amos

from the

Marie

Thought CTP
HO

Open hours of Eiler

Opens days

A Also Hotal Heater

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force tout modifications

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- section storm boosting on the place took with clocking
- I dellate the Remeterk
- Add the demister to the fine Howk exhirt stack

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March	23	54,500
April	22	44,000
MAY	22	50,500
Jone	23	48,250
Toly	22	36,650
Ary.	25	50,190
Sept.	26	47,500
Oct-	23	49,250
Abri	20	38,998
Re.	26	59.021
	273 days	584,419
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oppers012546

Facility Data Profile Notice No.: 00000300119.00

**FACILITY INFORMATION:** 

TRI Facility Identification No: 97210KPPRS7540N

**Primary Facility Name and Address:** KOPPERS INDS. INC. PORTLAND TAR PLANT

7540 N.W. ST. HELENS RD.

PORTLAND, COUNTY: MULTNOMAH OR 97210-3663

Technical Contact Name: MR. AMOS KAMERER Public Contact Name: MR. AMOS KAMERER

Latitude: 045-3452

Facility Type (Federal/GOCO/Commercial): COMMERCIAL

Name of Parent Company: KOPPERS INDS. INC.

Parent Company Dun & Bradstreet No: 196991582

SIC Code

Facility Dun & **Bradstreet No** 

**EPCRA** (RCRA No.) ORD027734359

<u>NA</u>

<u>2865</u>

<u>NA</u>

027734359

<u>NA</u>

**Facility** NPDES No

OR0101003

NΑ

Internal Use - Facility ID: 39512

Mailing Address:

NA

Telephone No: 503-286-3681 Telephone No: 503-286-3681

Longitude: 122-45-28

Underground Injection Well Code(s):

NΑ

Facility Data Profile Notice No.: 00000300119.00

# **CHEMICAL REPORTS FOR THIS FACILITY OR ESTABLISHMENT:**

For Internal Use			
Document Control Number	13-98-120-17642-5	Post Mark Date	1999-06-29
File Number	DD-99-00006147-7	Received (EPCRARC) Date	1999-07-02

## PART I:

1.0 Reporting Year: 1998

2.0 Trade Secret Information:

2.1 Trade Secret: NO

2.2 Sanitized: NO

3.0 Certification:

Official Name: MR. AMOS KAMERER

Title: PLANT MANAGER

Date Signed: 1999-06-30

4.2 This Report Contains Information for:

4.5 SIC Code(s): 2865

This Report Contains information

a. An entire facility: <u>YES</u>b. Part of a facility: <u>NO</u>

c. A Federal Facility: NO

## PART II

1.0. Toxic Chemical Identity:

1.1. CAS Number or Chemical Category Code: 120127

1.2. Toxic Chemical or Chemical Category Name: ANTHRACENE

1.3. Generic Chemical Name: NA

2.0. Mixture Component Identity

2.1. Generic Chemical Name Provided By Supplier: NA

3.0 Activities and Uses of the Toxic Chemical at the Facility:

3.1 Manufacture the toxic chemical:

If Produce or Import:

A. Produce: YES

C. For on-site use/processing: NO

B. Import: NO

D. For Sale/distribution: NO

E. As a byproduct: NO

F. As an Impurity: YES

3.2. Process the toxic chemical:

A. As a reactant: NO

B. As a formulation component: NO
C. As an article component: YES

D. Repackaging: NO

3.3. Otherwise use the toxic chemical:

A. As a chemical processing aid: NO

B. As a manufacture aid: NO

C. Ancillary or other use: NO

4.1. Maximum Amount of the Toxic Chemical On-Site at any Time During the Year:

<u>05</u>

Range from 100000 To 999999 (1b)

5.0 Quantity of the Toxic Chemical Entering Each Environmental Medium On-site

Air Emissions
A. Total Release
S.1 FUGITIVE OR NON-POINT AIR EMISSIONS
S.2 STACK OR POINT AIR EMISSIONS
S.3 E-PUBLISHED EMISSION FACTORS
S.4 E-PUBLISHED EMISSION FACTORS

5.3 Discharges to Receiving Streams or Water Bodies Stream or water body name:

A. Total

B. Basis of

C. % from Stormwater

·

Release

Estimate

0.00

5.3<sub>.</sub>1 NA

\_\_\_\_

**Toxic Substances Control Act (TSCA)** 



- Is repeated every four years we last reported in 1998.
- Report for the previous year, for 2002 reporting, we shall submit information for the period January 1 – December 31, 2001.
- Can submit via hardcopy of e-filing.



- The reporting period starts August 25, 2002 and closes December 23, 2002. (Even the EPA wants Christmas off)
- The forms and instructions for 2002 are not yet available.
- As this is an update of the plant inventory, review the 1998 forms and start to gather data for the 2002 report.



EPA V	Partia	Environme Washingt L Updating Electron	on, D.C.	. 20460 Inven	tory Data Base	199	98 REPO	RT NOMBE
Signat	Tire				Name/Title: Y	OU R. SMART		
	1 Contact		Date		Plant Site			
	E MOQUEEN		1//		YOUR SITE			
Company				CBI	Dun & Bradstreet	Number	Facility 1d	
	PPERS	<del></del>		N	34-555		For EPA Use	Only
Company	Address Line I				Plant 91te Street	E Address Line		لسنسا
4404 KO	PERS STREET		······································		4405 KOPPERS STR	EET		
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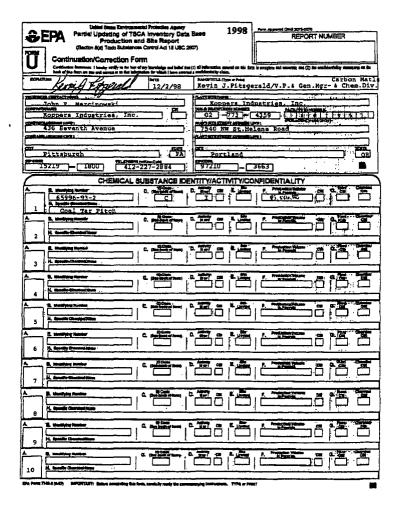
# 1998 Reporting Form

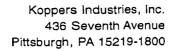
 The forms for 2002 are expected to be a similar layout and collect similar data.



- The 2002 e-filing and hardcopy report will be forwarded to you as soon as available.
- As an aid, use the 1998 reports as a guide.
- You will be responsible for gathering raw data, I shall prepare and send the report to the EPA.









# **CERTIFIED MAIL - RETURN RECEIPT**

Telephone: (412) 227-2001

Fax: (412) 227-2423

Dec. 2, 1998

OPPT Document Control Officer
U. S. Environmental Protection Agency
Office of Pollution Prevention and Toxics (7407)
401 M Street, S.W.
Washington, D. C. 20460

RECEIVED

DEC 1 0 1998

KOPPERS INDS, INC. PORTLAND OR

ATTN: INVENTORY UPDATE RULE

Dear Sir:

Your will find enclosed individual completed forms (Form U) which comprise the Koppers Industries, Inc. 1998 response to the TSCA Section 8(a) rule for the partial updating of the TSCA Chemical Inventory Data Base.

These forms have been completed for each of the following applicable plant sites under Koppers control:

Koppers Plant Site
Cicero, IL
Clairton, PA
1835 Koppers Drive, Dolomite, AL
2134 Koppers Drive, Dolomite, AL
Follansbee, WV
Monessen, PA
Portland, OR

We trust that the enclosed information satisfies our requirements for the Chemical Inventory Update due this year. Please do not hesitate to call me at (412-227-2884) if there are any questions or need for additional information.

Sincerely,

bc: R.Collins - K-1700
K.Fitzgerald - K-1600
M.Mancione - Stickney
D.Wible - Clairton
R.Morris - Woodward Tar
T.Golubic - Follansbee
J.Burkhart - Monessen
A. Kamerer - Portland
M.Cilley - Stickney
S. Lish - Follansbee
G. Shamitko - Monessen
J. Kunkle - K-1600

John E. Marcinowski, Manager Community & Regulatory Programs

929



# FAX TRANSMITTAL

Koppers Industries, Inc. 7540 N.W. St. Helens Road Portland, OR 97210-3663

TO: J. MALCIN OVEST	Telephone: 503-286-3681 DATE: ///3/98 Fax: 503-285-2831
FROM: Amos	TOTAL # OF PAGES: 2
	•
ATTAChed is the TASCA/PUN	info.
	-

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831

ΩΙ	United States Environmental Prot Washingma, DC	ection Agency	1998	Form Approved OMB 2070-00702							
FORM	Partial Updating of TSCA Production and S (Section 8(a) Tode Substances Co	: 20460 Inventory Data E Site Report		ALF-ON HOMBER							
U	. '			n is complete and accurate; and (2) the confidentiality statements on the							
SACIPAT		DATE	NAME/ITTLE (Type or Print)								
TECHNOCA	L CONTACT NAME		PLANT STONAME.								
COMPANY	NAME .	CRI	KOPPERS INJUSTRIES, INC.  DUN & MADERNA PRINCE  02 -773 - 4359								
COMPANY	ARORDS LINE!		PLANT SITE STREET ADDRESS LIDE 1  75 40 N.W. SAINT HELENS ROAD								
COMPANY	ADDIUS LOCA		PLANT STREET ADDRESS INC 2								
COTY		STATE	PORTLAND CR								
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CHEMICAL SUBSTANCE IDENTITY/ACTIVITY/CONFIDENTIALITY											
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USAGE	5611	7376	4727	7195	7167	7461	6838	5019	7506	4989	5150	9126	5712	6061
RECEIPTS	8870	4159	8542	3587	3724	8249	9974	2121	7665	9278	2429	11379	9366	8438
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01/06/98	DEC.97							. ه	/		. 12 -	37 00	0#	

TOTAL = 41,778 TONS = 83,556,000#

CC:K.FITZGERALD,J.KUNKLE,W.PLOVIC,K.REGEL,W.TURNER,T.J.TURNER

# KOPPERS INDUSTRIES

## INTEROFFICE CORRESPONDENCE

K-1800

To:

Location:

SEE DISTRIBUTION

AS INDICATED

Subject: 1998 TS

1998 TSCA INVENTORY UPDATE RULE (IUR)

From:

John E. Marcinowski

Location:

Date:

Sep. 25, 1998

# SUMMARY

On June 12, 1986, EPA promulgated a rule referred to as the Inventory Update Rule under the authority of section 8(a) of TSCA requiring manufacturers and importers of certain chemical substances included on the TSCA Chemical Substance Inventory to report current data on the production volume, plant site, and site-limited status of the substances. After the initial reporting during 1986, recurring reporting is required every 4 years. A second reporting cycle took place in 1990 and a third in 1994. The IURs for 1998 are required by December 23, 1998. The information to be reported and Form U are same as in 1994.

For your convenience, I have included copies of your plant's 1994 update to utilize in completing your 1998 Form U. The current data to be reported is limited to products manufactured or imported at your site in excess of 10,000 pounds during the last corporate fiscal year which ends prior to Aug. 25, 1998, i.e., January 1, 1997 – December 31, 1997.

# **EXEMPTIONS**

There are several substances that are exempt from reporting; i.e., polymers, inorganics, microorganisms, naturally occurring substances, mixtures, nuclear material and pesticides.

For your information, a mixture is defined as:

"Mixture" means any combination of two or more chemical substances if the combination does not occur in nature and is not, in whole or in part, the result of chemical reaction; except that "mixture" does include: (1) any combination which occurs, in whole or in part, as a result of a chemical reaction if the combination could have been manufactured for commercial purposes without a chemical reaction at the time the chemical substances comprising the combination were combined and if, after the effective date or premanufacture notifical requirements, none of the chemical substances comprising the combination and new chemical substance, and (2) hydrates of a chemical substance or hydrated ions formed by association of a chemical substance with water.

on production or import volume - substances that are manufactured or issistance at a single site are exempt from reporting

FROM : KOPPERS ENVIRO LEGAL

(2)

# SPECIFIC ACTIONS

Except for the above listed exemptions, all substances manufactured at your plant are subject to reporting on Form U. Each plant should have received a copy of the Updating Package and new Form U. However, I am providing work copies with this letter for your use regardless if you have received your own copy. The information to be reported is as follows:

- Block B The substance Identifying Number refer to the attached 1994 form for appropriate numbers. (Note: As reported in '94, K-364 or Pavement Sealer Base should be included with your coal tar pitch production volume CAS number 65996-93-2.)
- **Block C-** ID code use the letter "C" for CAS No. or "F" for original inventory form numbers.
- Block D- Activity use "M" for manufacture or "I" for import.
- Block E- Site Limited if you manufacture the chemical substance at your plant site and do not distribute the chemical substance or any mixture containing that substance outside the plant site for commercial purposes, enter "X" in the box. (Imported substances cannot be site-limited.)
- **Block F-** Product Volume in Pounds if you both manufacture and import a particular substance, report the manufacture and import volumes separately; on two lines.
- Block G- All Confidential Business Information (CBI) boxes will be left blank since no CBI claims were made in the past.
- Block H- Specific Chemical Name use the same chemical name found on previous reports.

Remember, the objective of this reporting is to update your 1994 submission. If you are now manufacturing a product at your plant that does not appear on your 1994 form, then you must include that product in your 1998 submission. Likewise, if you are no longer manufacturing a product that appears on your 1994 form, that product should not be reported on this year's form.

In addition to the above reporting information, plant sites must be reported by giving the specific site name and street address. For importers, a central office or a plant site should file a report depending upon which is responsible for the shipment and payment of import duties. Companies must provide a Dunn and Bradstreet number for each site, and the name, company address and telephone number of a person (Technical Contact) whom the EPA may contact for clarification of the information submitted on Form U. The technical contact should be you or your designee.

Once you have completed your form(s), forward a copy to my office by **NOVEMBER 20<sup>th</sup>**.

Information will be submitted electronically prior to the December 23, 1998 deadline.

(3)

#### RECORD KEEPING REQUIREMENTS

Koppers is required to maintain records which document compliance with this updating, including records that show product volume, plant site, and site-limited status of each of the substances reported. If a substance is not reported because it's site specific annual production is less than 10,000 pounds, plant records must be maintained to verify this. The EPA does not require a specific record keeping format so your normal plant inventory and production records will suffice. Records must be retained for at least four years after the effective date of the reporting period, i.e., August 25, 1998.

#### **PENALTIES**

Compliance with the partial updating of the TSCA chemical inventory database is mandatory. Failure to file an IUR is punishable by a civil penalty not to exceed \$25,000

Please call me at your convenience if you have any questions regarding this correspondence or if you require any assistance.

I want to thank you in advance for your cooperation.

#### Attachments

Distribution:

Jim Burkhart

Monessen

Tom Golubic

Follansbee

"Alexandra Marian

Bactland

John Kunkle

Woodward Coke

Mike Mancione

Stickney

Jerry Morris

Woodward Tar

David Wible

Clairton

C.C.

R. Collins

K-1700

Kevin Fitzgerald

K-1600

Bob Wombles

HTC

12:04

#071 P.05/08

1994

WETH FORM

#### Environmental Protection Agency

Partial Updating of TSCA Inventory Data Base

Priduction and Site Report PLANT DRAFT HOLDE SITUE Type to Print; \_\_\_\_\_ TECHNICAL GONTAGT NAME PLANT SITE NAME KOPPERS INDUSTRIES, INO. ROBINS THE STRUCT COMPANY NAME 02 - 773 - 4359 PLANT SITE STHEET ADDRESS UNE T COMPANY ADDRESS USE 1 7540 NW. SAINT HELENS ROAD COMPANY ADDRESS UNE 2 PLANT BITE STREET ADDRESS LINE ? STATE. OR PORTIANO TIP CODE TIP CODE TELEPHONE (W/Ares Cade) 97210 - 3663 CHEMICAL SUBSTANCE IDENTITY/ACTIVITY/CONFIDENTIALITY C (See book of form) D. Activity Car E. .. Site . . CBITTLE F. .. Pronuntion Volume G. Plent... B. Identifying Number CBI 46,732,138 65996-93-2 I H. Specific Chemical Nati COAL TAR Production Volume G. CEI ID Code D. Activity E. Umited 2754 B. Identifying Number 534 CBI 253 C.(See back of form) in ೯ರವಗನ<u>ು</u> CBI H. Specific Chamileal Name Production Volume in Pounds CBI G Plant Chemical C (See back of form) D Acrovity M (e) Site E Site B. Identifying Number CBI CBI H. Specific Chemical Name ID Code C-(See back of form) D. Activity Progueson Volume G. Pluit Chemicel CEI E. Limited B. Identifying Number in Founds H. Specific Chemical Name Production Valuence in Pounds Activity Mort E. Lineling B. Identifying Number CEL C-ISec back at tamil CEL H. Saesific Chemical Name C. (See back of form) D. Activity CBI F. Francisco Volume E. Limited G. Pient Chemical B. Identifying Nimber CBI CRI . in Pounds CBI . 6 H. Specific Charmier Name CBI F Production Valuence C. (See back of form: D. Mooret Car E. Limited G. Pent B. Idensitying Number Chemical CEI iei Steinene H. Specific Chemical Name F. Production Volume-in Founds C.(See heck of form) Acovity M.or I G. Plant · D. B. Identifying Number E. Limited H. Specific Chemical Name C-(See back of form) Sile D. Activity B. Identifying Number CBI C81 Umited 9 H. Specific Chemical Name C.(See back of torn) D. Acquiry CBI P. Produktion Volume in Policia Clemic By Identifying Number CBI G. Fienz E. Greated H. Specific Chemical Name

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EPA Form 7740-8 (0-87) IMPORTANT: Before completing this form, carefully ready the accompanying instructions. TYPE or PRINT

#### **KOPPERS** INDUSTRIES

#### INTEROFFICE CORRESPONDENCE

To:

A. Kamerer

From:

John E. Marcinowski.

12:04

Location:

Northwest Terminal

Location:

K-1800

Subject:

TSCA 8(c) Regulation/Compliance System

Date:

Feb. 9, 1994

Section 8(c) of the Toxic Substances Control Act (TSCA) became effective November 21, 1983. Under this rule, chemical manufacturers, processors, and distributors are required to maintain a record of allegations of significant adverse health or environmental reactions caused by chemical exposure. Allegations from employees, customers, health and environmental advocacy groups and members of the general public must be written, signed and include the identification of the person filling the complaint including their sex and date of birth, the name and address of the site implicated, the date and substance implicated and a description of the alleged effect. Allegations by employees must be retained for 30 years, all other allegations must be kept for a period of 5 years. Also retained should be the results of the company's self-initiated investigation and any other related reports or records.

Exempted from reporting are allegations regarding pesticides, matters already known through labeling or Material Safety Data Sheets, effects previously described in published scientific literature, and matters already reported to governmental authorities such as accidental spills. In addition, Koppers Industries is not required to solicit allegations. The U.S. EPA will have the statutory right to inspect Koppers Industries' 8(c) File at anytime to assure compliance with the regulation.

No., pers Industries Compliance System will use the existing OH&PS Department to evaluate, record and the all allegations in accordance with the TSCA Section 8(c) rules. However, the receipt of all allegations will, by necessity, involve the participation of a number of line and staff personnel with Koppers Industries. First, there must be a Koppers Industries contact person conveniently accessible to every "chemical" production employee, i.e., at every plant which produces or processes chemicals. For the plants, the contact for receipt of 8(c) allegations will be the plant manager or his designated representative. Marketing managers should establish a system within their respective sales organizations to assure that allegations from customers or members of the affected public will be properly received and processed.

The processing of allegations received by Koppers Industries contact persons should be handled according to the instructions accompanying the Koppers Industries 8(c) Reporting Form, a copy of which is also attached. To reiterate, the original written allegation and form should be sent as soon as practical to the OH&PS Department, K-1800 Koppers Building, Pittsburgh, PA 15219-1800. (Telephone: (412-227-2884). In case of doubt as to whether a written allegation is covered by this rule, report it to the OH&PS Department where the final disposition will be determined.

These records will form a permanent Koppers Industries file which may have to be shown or reported to the U.S. EPA and which may be discoverable in the event of litigation. If any allegation requires timely positive action in the interest of protection of human health or the environment, the OH&PS Department will so advise the proper parties.

Koppers Industries, Inc. Occupational Health and Product Safety Dept. Pittsburgh, PA 15219-1800



#### Significant Adverse Reactions

Records and Reports of Allegations That Chemical Substances Cause Significant Adverse Reactions to Health or the Environment; Recordkeeping and Reporting Procedures.

SUMMARY: This form implements section 8(c) of the Toxic Substances Control Act (TSCA). The rule requires manufacturers and certain processors of chemical substances and mixtures to keep records of significant adverse reactions to health or the environment alleged to have been caused by a substance or mixture. EPA may also inspect and require reporting of such records.

4-6

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INSTRUCTIONS: Send the white corporate copy of the completed form with attachments to Occupational Health and Product Safety Dept., 1800 Koppers Building, Pittsburgh, PA 15219-1800. Retain the blue copy for your records.

The following required information must be maintained under this rule as the allegation record:

. .

1. The original allegation as received. (It is the responsibility of the allegar to provide the company with the allegation in written form. If the allegar does not respond to the company's request for a written allegation then the company is not obligated to take any further steps. You must inform the allegar that his allegation may be recordable under this rule and request that he submit a written, signed and dated statement containing the allegation). This part I section is to be submitted by the alleger, signed, dated and attached to this form.

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2.	An abstract of the allegation.		· .	2 · 2	<u> </u>	. • •			
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٤.	The implicated substance, mixture, article, com	pany process or o	peration, or s	ite effluent, em	ussion or oth	erdisch	arge. (Cor	nmodity Code	Numb
	(if any))			1 .	H				·
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	sex and year of birth of the affected individual	is should be reco	orded, if ascer	tainable.					
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	investigation must be included in the record.	and the second	Company of				<del></del>		
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,	Copies of any further required reports or record	le relating to the s	Illocation If a	company is re	quired to ke		thorroom	d or make ar	w oth
<b>J</b> .	report relating to the allegation (e.g., Occupation be placed in the file. This does not include inter-	onal Safety and He	ealth Adminis	tration Form 10	01), then a c	opy of th	nat record	or report me	ust als
١.	any reports or separate sheets attached. $\square$ Yield according to chemical identity, or one of the		chemical is n	ot named; mix	ture identity	, article	identity, c	ompany pro	cess
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	Person(s) Preparing This Repor	t				Title			
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See Reverse Side For Instructions — If Additional Space Needed Attach Separate Sheet. ST-30 - 05/89

Signature(s)

Telephone Number of Preparer

#### Records and Reports of Allegations That Chemical Substances Cause Significant Adverse Reactions to Health or the Environment; Recordkeeping and Reporting Procedures.

- 1. Section 8(c) of the Toxic Substances Control Act requires that "any person who manufactures, processes, or distributes in commerce any chemical substance or mixture" must keep "records of significant adverse reactions to health or the environment, as determined by the Administrator by rule, alleged to have been caused by the substance or mixture." Section 8(c) requires that allegations of adverse reactions to the health of employees be kept for 30 years, and all other allegations be kept for five years. EPA may inspect these records and require submission of copies of such records.
- 2. Significant adverse reactions are reactions that may indicate a substantial impairment of normal activities, or long-lasting or irreversible damage to health or the environment.
- 3. Reactions that are "known human effects" do not have to be recorded. Also exempt from recording are environmental reactions directly attributable to spills or other incidents that have been reported to the Federal Government. Indicators of significant environmental reactions center on gradual or sudden changes in the composition of plant or animal life in an area.

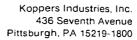
- 4. Significant adverse reactions that must be recorded. Significant adverse reactions to human health that must be recorded include but are not limited to:
  - (1) Long-lasting or irreversible damage, such as cancer or birth defects.
  - (2) Partial or complete impairment of bodily functions, such as reproductive disorders, neurological disorders or blood disorders.
  - (3) An impairment of normal activities experienced by all or most of the persons exposed at one time.
  - (4) An impairment of normal activities which is experienced each time an individual is exposed.
- 5. Firms are not required to record significant adverse reactions that are known human effects. "Known human effects" means a commonly recognized human health effect of a particular substance or mixture as described either in:
  - (i) Scientific articles or publications abstracted in standard reference sources.
  - (ii) The firm's product labeling or material safety data sheets (MSDS).

However, an effect is not a "known human effect" if it:

- (i) Was a significantly more severe toxic effect than previously described.
- (ii) Was a manifestation of a toxic effect after a significantly shorter exposure period or lower exposure level than described.

- (iii) Was a manifestation of a toxic effect by an exposure route different from that described.
- 6. Significant adverse reactions to the environment that must be recorded, even if restricted to the environs of a plant or disposal site, include but are not limited to:
  - (1) Gradual or sudden changes in the composition of animal life or plant life, including fungal or microbial organisms, in an area.
  - (2) Abnormal number of deaths of organisms (e.g., fish kills).
  - (3) Reduction of the reproductive success or the vigor of a species.
  - (4) Reduction in agricultural productivity, whether crops or livestock.
  - (5) Alterations in the behavior or distribution of a species.
  - (6) Long lasting or irreversible contamination of components of the physical environment, especially in the case of ground water, and surface water and soil resources that have limited self-cleansing capability.

Firms are not required to record a significant adverse reaction to the environment if the alleged cause of that significant adverse reaction can be directly attributable to an accidental spill or other accidental discharge, emission exceeding permitted limits, or other incident of environmental contamination that has been reported to the Federal Government under any applicable authority.





#### **CERTIFIED MAIL - RETURN RECEIPT**

Telephone: (412) 227-2001 Fax: (412) 227-2423

December 19, 1994

Document Control Officer (7407)
Office of Pollution Prevention and Toxics
U. S. Environmental Protection Agency
401 M. Street, S.W.
Washington, DC 20460

ATTN: Inventory Update Rule

Dear Sir:

You will find enclosed individual completed forms (Form U) which comprise the Koppers Industries, Inc. 1994 response to the TSCA Section 8(a) rule for the partial updating of the TSCA Chemical Inventory Data Base.

These forms, identified by number and itemized below, have been completed for each applicable plant site under Koppers control.

Plant Site	Report Number
Follansbee, WV	61133138
	61133146
Portland, OR	61133195
Dolomite, AL	61133203
Houston, TX	61154217
Cicero, IL	61154225
Dolomite, AL	61154233

We trust that the enclosed information satisfies our requirements for the Chemical Inventory Update due this year. Please do not hesitate to call me at (412) 227-2884 if there are any questions or need for additional information.

bcc: E.A.Clendaniel

D. Sweet

L. Flaherty

T. Golubic

S.Lish

A.Kamerer

D.Heal

G. Trent

M.Lewis

D.Meadows

D.Bell

Sincerely,

John E. Marcinowski, Manager Labeling & Regulatory Programs

#### 61133195

Dec.12,1994L.F.Flaherty/V.P. & Manager Tar Operation:

Koppers Industries, Inc.

Paul C. Stadel
Koppers Industries, Inc.

可见的特殊的特殊。

TO, WAIF FOR

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1005 William PitteWay

7540 NW St.Helen's Road

N/A

Pittsburgh

PΑ Portland

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# United States Environmental Protection\*Agency

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Washington, DC 20480

Partial Updating of TSCA Inventory Data Base
Production and Site Report

(Seption 8/a) Toxio Substances Control Act 18 USC 2607.

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H. Specific Chemical Name

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B. Identifying Number

H. Specific Chemical Name

IMPORTANT: Before completing this form, carefully read the accompanying instructions. TYPE or PRINT

CBI

CBI

G. Plant

G. Plant

Chemic

Production Volume in Pounds

CBI

01DATE: 011494

01

KOPPER'S COMPANY INC.

TAR PRODUČTS DIVISION

MONTH TO DATE NET SALES BY PLANT

01 01 FOR THE PERIOD DECEMBER 193

PROGRAM ID SLRIPO74

PAGE: 001

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TOTAL 46,732,138 4

#### KOPPERS **INDUSTRIES**

#### INTEROFFICE CORRESPONDENCE

To:

SEE DISTRIBUTION

From:

John E. Marcinowski

Location:

AS INDICATED

Location:

K-1800

Subject:

INVENTORY UPDATE RULE (IUR)

Date:

Aug. 25, 1994

#### SUMMARY

In the Federal Register of June 12, 1986, EPA promulgated a rule referred to as the Inventory Update Rule under the authority of section 8(a) of TSCA requiring manufacturers and importers of certain chemical substances included on the TSCA Chemical Substance Inventory to report current data on the production volume, plant site, and site-limited status of the substances. After the initial reporting during 1986, recurring reporting is required every 4 years. A second reporting cycle took place in 1990. The IURs for 1994 are required by December 23, 1994. The information to be reported and Form U are same as in 1990.

For your convenience I have included copies of your plant's 1990 update to utilize in completing your 1994 Form U. The current data to be reported is limited to products manufactured or imported at your site in excess of 10,000 pounds during the fiscal year ending December 31, 1993.

#### EXEMPTIONS

There are several substances that are exempt from reporting; i.e., polymers, inorganics, microorganisms, naturally occurring substances, mixtures, nuclear material and pesticides.

(PARail, STC, K-1535, Bitumen)

(Caco + as tillates)

For your information, a mixture is defined as:

"Mixture" means any combination of two or more chemical substances if the combination does not occur in nature and is not, in whole or in part, the result of chemical reaction; except that "mixture" does include: (1) any combination which occurs, in whole or in part, as a result of a chemical reaction if the combination could have been manufactured for commercial purposes without a chemical reaction at the time the chemical substances comprising the combination were combined and if, after the effective date or premanufacture notification requirements, none of the chemical substances comprising the combination is a new chemical substance, and (2) hydrates of a chemical substance or hydrated ions formed by association of a chemical substance with water.

In addition to the substance exemptions, there is also a substance/plant site exemption that is based on production or import volume - substances that are manufactured or imported at less than 10,000 pounds per year at a single site are exempt from reporting for that site.

D Imported Pitch (include VANANCO) 2) PSB(K-364) USC Amount Shipped

3) send John OUR "Ble" ONIGINAL REPORTING FORMS

#### SPECIFIC ACTIONS

Except for the above listed exemptions, all substances manufactured at your plant are subject to reporting on Form U. I am only aware of one plant receiving a copy of the Updating Package and new Form U. Therefore, I am providing work copies with this letter for your use regardless if you have received your own copy. The information to be reported is as follows:

- The substance Identifying Number refer to the attached 1990 form for appropriate numbers. Note: K-364 or Pavement Sealer Base should be included with your coal tar pitch production volume - CAS number 65996-93-2.
- 2. ID code use the letter "C" for CAS No. or "F" for original inventory form numbers.
- 3. Activity use "M" for manufacture or "I" for import.
- 4. Site Limited if you manufacture the chemical substance at your plant site and do not distribute the chemical substance or any mixture containing that substance outside the plant site for commercial purposes, enter "X" in the box. (Imported substances cannot be site-limited.)
- 5. Product Volume in Pounds if you both manufacture and import a particular substance, report the manufacture and import volumes separately, on two lines.
- 6. All Confidential Business Information (CBI) boxes will be left blank since no CBI claims were made in the past.
- 7. Specific Chemical Name use the same chemical name found on previous reports.

Remember, the objective of this reporting is to update your 1990 submission. If you are now manufacturing a product at your plant which does not appear on your 1990 form, then you must include that product in your 1994 submission. Likewise, if you are no longer manufacturing a product that appears on your 1990 form, that product should not be reported on this year's form.

In addition to the above reporting information, plant sites must be reported by giving the specific site name and street address. For importers, a central office or a plant site should file a report depending upon which is responsible for the shipment and payment of import duties. Companies must provide a Dunn and Bradstreet number for each site, and the name, company address and telephone number of a person (Technical Contact) whom the EPA may contact for clarification of the information submitted on Form U. The technical contact should be you or your designee.

Once you have completed your form(s), forward a copy to my office by **NOVEMBER 30<sup>th</sup>**. The information will be transferred to an original "**BLUE**" Form U by this office; the form will then be signed by the appropriate party and forwarded to the EPA prior to the December 23, 1994 deadline.

#### RECORD KEEPING REQUIREMENTS

Koppers is required to maintain records which document compliance with this updating, including records that show product volume, plant site, and site-limited status of each of the substances reported. If a substance is not reported because it's site specific annual production is less than 10,000 pounds, plant

records must be maintained to verify this. The EPA does not require a specific record keeping format so your normal plant inventory and production records will suffice. Records must be retained for at least four years following August 25 of this year.

#### **PENALTIES**

Compliance with the partial updating of the TSCA chemical inventory data base is mandatory. Failure to file an IUR is punishable by a civil penalty of \$17,000 per chemical per report and late submission is punishable by a civil penalty of \$6,000 per chemical per report. In 1993 the EPA prosecuted approximately 38 companies for IUR violations, seeking nearly \$4.2 million in civil penalties. EPA attorneys indicate that they expect to be even more aggressive in identifying and prosecuting IUR violations in 1995. The EPA intends to identify companies that may fail to file IURs by cross-referencing other mandatory reports, including Toxic Release Inventory (TRI) reports submitted under Title III. Clearly your support is crucial to our effort in achieving compliance with this law.

Please call me at your convenience if you have any questions regarding this correspondence or require any assistance.

I want to thank you in advance for your cooperation.

John E. Marcinowski

#### Attachments

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٠.	L.,

J. R. Batchelder	K-1700
E. A. Clendaniel	K-1600
L. F. Flaherty	K-1750
P. A. Stadel	UPARC
D. N. Sweet	K-1750
W W Turner	K-1600

**DISTRIBUTION:** 

T. A. Golubic

Follansbee

P. W. Heal

Houston

A.S. Kamerer

Northwest Terminal

D. E. Meadows

Woodward Coke

R. J. Morris

Woodward Tar

G. E. Trent

Stickney



AUG 29 1994

KOPPERS INDS., INC. PORTLAND, OR

IMPORTANT: Before completing this form, carefully read the accompanying instructions. TYPE or PRINT.

Form Approved OMB 2070-0070 Approval expires 6-91 REPORT NUMBER

EPA Form 7740-8 (7-90)

# US Environmental Protection Agency

1000

	Partial Updating of TSC Production an		Base IJJU	·	
FORM	(Section 8(a) Toxic Substance	607)	610452	90	
U	Certification Statement: I hereby certify to the best of r			rm is complete and accurate, and (2) t	he confidentiality statements
SIGNATI	BE Salah	DATE Jan.28,1991	NAME/TITLE (Type or Pr L. F. Flaherty	rint) /V.P. & Manager T	Car Operations
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#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

JUL 1 2 1994

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

To 1994 Inventory Update Rule Submitters:

On June 14, 1994 the United States Environmental Protection Agency announced in the Federal Register the 1994 Inventory Update Rule reporting period. The 1994 reporting period is from August 25, 1994 through December 23, 1994.

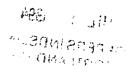
Enclosed is the 1994 Inventory Update Rule (IUR) Information Package. This package contains the Instruction Book, the Federal Register notice announcing the 1994 reporting period and two reporting forms.

IUR submitters should carefully review the Instruction Book and the other materials in this package. Please follow the reporting instructions exactly. Note that the Instruction Manual is simply guidance and is not a substitute for the Rule. Submitters should review the regulations governing this information collection located at 40 CFR 710.26 et seq. If you have any questions about the Rule or how to report, please call the TSCA Hotline at (202) 554-1404.

Information submitters should be aware that the IUR is a facility specific reporting obligation. A submitter must provide a separate original form for each facility manufacturing or importing reportable chemical substances during the submitter's fiscal year 1993. Only original forms may be submitted. Do not submit photocopied forms. If you need additional forms or other reporting materials contact the TSCA Hotline at the above telephone number.

Thank you for your cooperation.

Office of Pollution Prevention and Toxics





# RECEIVED

JUL 18 1994 KOPPERSINDS.INC. PORTLAND.OR



Tuesday June 14, 1994

#### Part IV

# **Environmental Protection Agency**

40 CFR Part 710
Partial Updating of TSCA Inventory Data Base; Production and Site Reports; Technical Amendment; Final Rule

### ENVIRONMENTAL PROTECTION AGENCY

#### 40 CFR Part 710

[OPPTS-62140; FRL-4869-7]

Partial Updating of TSCA Inventory Data Base; Production and Site Reports; Technical Amendment

AGENCY: Environmental Protection Agency (EPA). ACTION: Final rule; technical amendment.

SUMMARY: This document announces the 1994 reporting period for the Inventory Update Rule, and amends the rule to update the reporting address.

**DATES:** This document is effective June 14, 1994. The 1994 reporting period is from August 25, 1994 to December 23, 1994.

#### FOR FURTHER INFORMATION CONTACT:

Susan B. Hazen, Director, Environmental Assistance Division (7408), Office of Pollution Prevention and Toxics, Environmental Protection Agency, Rm. E-545, 401 M St., SW., Washington, DC 20460, (202) 554-1404, TDD: (202) 554-0551.

#### SUPPLEMENTARY INFORMATION:

#### I. Background

In the Federal Register of June 12, 1986 (51 FR 21438), EPA promulgated a rule (40 CFR part 710, subpart B), referred to as the Inventory Update Rule (IUR), under the authority of section 8(a) of the Toxic Substances Control Act (TSCA), 15 U.S.C. 2607(a), requiring manufacturers and importers of certain chemical substances included on the TSCA Chemical Substance Inventory to report current data on the production volume, plant site, and site-limited status of the substances. After the initial reporting during 1986, recurring reporting is required every 4 years. A second reporting cycle took place in 1990. The third reporting period will be

#### II. 1994 Reporting Period

The initial reporting period was August 25, 1986 to December 23, 1986. Reporting periods recur every 4 years from August 25 to December 23, so that the next reporting period is August 25, 1994 to December 23, 1994. Persons subject to the rule must submit the required information during this period.

#### III. Update of the Information

A. The TSCA Chemical Substance Inventory

As an aid to submitters reporting during 1986, EPA published a 1985

edition of the TSCA Chemical Substance Inventory. This publication, available from the Government Printing Office (GPO), superseded the 1979 edition and supplements prior to 1985. To aid reporters during 1990, EPA published a 1990 supplement to the 1985 edition. Copies of both the "TSCA Chemical Substance Inventory: 1985 Edition" and the "TSCA Chemical Substance Inventory: 1990 Supplement" may still be obtained by writing or calling: Superintendent of Documents, Government Printing Office,

W. hington, DC 20402, (202) 783–3238. The 1990 Supplement costs \$15.00 in the J.S., \$18.75 outside the U.S., and should be ordered by its Document Control Code, S/N 055–000–00361–1. The 1985 Edition costs \$16.00 (\$201.00 outside the U.S.), and its Document Control Code is S/N 055–000–00254–1.

In support of the 1994 reporting, EPA is publishing a revised TSCA Chemical Substances Inventory in a set of floppy diskettes for use in a personal computer instead of the hard copy form. These diskettes will contain information for all nonconfidential chemical substances added to the TSCA Inventory data base before May 1, 1994. The types of information contained in the diskettes will be similar to that found in the computer tape form of the TSCA Inventory that EPA has been disseminating to the public biannually through the National Technical Information Service (NTIS). Specifically, each of the chemical substances included in the diskettes is identified by a Chemical Abstracts (CA) Index or Preferred Name, the corresponding Chemical Abstracts Service (CAS) Registry Number, molecular formula, and if applicable, the chemical definition and appropriate EPA special flags as found in the printed Inventory. The substances are sequenced in ascending order of the corresponding CAS Registry Numbers. The diskettes will not include chemical synonyms that are copyrighted by the Chemical Abstracts Service. Furthermore, generic names or EPA Accession Numbers for substances with confidential chemical identities will not be included.

The diskette version includes over 62,000 records and requires 12 megabytes of disk space for installation. Installation software that will automatically uncompress the file is included with the diskettes. However, users will have to furnish their own data base management software to perform searches. Both tapes and diskettes will be available for sale from: National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA

22161, (703) 487–4650 or (800) 553–NTIS. The diskettes cost \$195.00 in the U.S., Canada, and Mexico, and \$390.00 for all other addresses. The NTIS Order Number for the diskettes is PB94–501731GEI. The tapes cost \$360.00 in the U.S., Canada, and Mexico, and \$720.00 for all other addresses. The NTIS Order Number for the tapes is PB94–501749GEI.

#### B. Reporting Address and Instructions

40 CFR 710.39 is being amended to reflect new addresses and telephone numbers, as follows:

Reporting Packages Address: TSCA
Hotline (7408), Office of Pollution
Prevention and Toxics, U.S.
Environmental Protection Agency,
401 M St., SW., Washington, DC
20460, Telephone: (202) 554–1404,
ATTN: Inventory Update Rule.
Mailing Address for Completed Forms:
Document Control Officer (7407),
Office of Pollution Prevention and

Document Control Officer (7407), Office of Pollution Prevention and Toxics, U.S. Environmental Protection Agency, 401 M St., SW., Washington, DC 20460, ATTN: Inventory Update Rule.

EPA will automatically mail out a reporting package to those facilities that reported in 1990. This package will include the manual entitled "Instructions for Reporting for the Partial Updating of the TSCA Chemical Inventory Data Base," a new Form U, and a copy of the Federal Register Notice. If you did not report in 1990, but need to report in 1994, the reporting package will be available from the TSCA Hotline at the address referenced above. Additional reporting forms will also be available from the TSCA Hotline.

#### IV. Reporting Form

Section 710.39 requires submitters to report using EPA's Form U. In 1990, EPA made changes in the form to assist submitters in completing it and facilitate processing of the form; none of the changes resulted in substantive revisions to the reporting requirements of the rule. New printed forms will be made available for reporting during 1994. Neither the 1986 nor the 1990 form is acceptable for 1994 reporting.

#### A. Reporting Errors

Several types of reporting errors occurred frequently enough in the past to merit discussion. One of the most frequent type of errors concerns the submitter reported Dun & Bradstreet number. Numerous submitters reported numbers with extra or missing digits, numbers which belonged to their parent companies (rather than the Dun & Bradstreet number assigned to the plant site for which the submitter was

reporting), or no number at all. This problem required EPA to send a large number of requests to the submitters for correction of submitter error. To avoid this error, all submitters should verify the accuracy of the Dun & Bradstreet number they are reporting. Those plant sites without Dun & Bradstreet numbers may obtain them, free of charge, by calling their local Dun & Bradstreet office.

Reporting of substances that are not required to be reported is another common error. Polymers, inorganics, microorganisms, and naturally occurring chemical substances are generally excluded from the reporting requirements. This exclusion does not however apply if the chemical substance is the subject of a rule proposed or promulgated under section 4, 5(a)(2), 5(b)(4), or 6 of TSCA or is thesubject of an order issued under section 5(e) or 5(f) of TSCA or is the subject of relief that has been granted under a civil action under section 5 or 7 of TSCA. See § 710.26. Hydrates of chemicals which are on the TSCA Inventory in the anhydrous form are not reportable; however, the corresponding anhydrous form is subject to the reporting requirements. Furthermore, substances that have been delisted from the TSCA Inventory should not be reported.

Another significant source of errors is the manner in which chemical identifying numbers and names are entered in the reporting forms. Several types of identifying numbers (e.g., Chemical Abstracts Service Registry Numbers, Premanufacture Notification Numbers, and Accession Numbers) are allowed for reporting. Confusion on the appropriate way to identify a chemical substance and report an identifier has created many problems in the past. Note that the correct format for any CAS Registry Number being reported is six digits, hyphen, two digits, hyphen, one digit, e.g., XXXXXX-XX-X. Leading zeros on the left may be omitted. If the chemical identifier is a CAS Registry Number (ID Code = C), then this format must be used.

If the chemical substance name extends beyond the space provided on the report line, do not continue the name on the following report line. Instead, truncate the name at the end of the line with a series of three dots (ellipsis) or continue the name on a separate sheet of paper. This avoids the insertion of a new reporting line without a production volume.

When reporting the production volume, report the amount to the nearest whole number. Do not include decimal points. Scientific notation is also unacceptable.

A large number of errors are made in plant site and technical contact information. Please make sure that the correct information goes in the correct box. One common mistake is the lack of a signature in the signature box. The Form U will be returned if the signature is missing. In addition, the signature must match the name of the person in the Name/Title Field.

Lastly, persons who export chemicals found on the TSCA Chemical Substance Inventory are reminded that they may have reporting obligations under this rule. Section 12(a) of TSCA provides that chemicals manufactured for export are subject to the requirements of TSCA section 8. Persons who manufacture a chemical substance on the TSCA Inventory solely for export, are considered a manufacturer and are subject to all IUR requirements of the rule.

#### B. Confidentiality Claims

Since 1990, EPA has allowed submitters to report both confidential and nonconfidential substances on the same form, and to indicate which substances on a form have confidential identities. However, note that a submitter may only claim the identity of a chemical substance as confidential if that substance is already included on the TSCA Inventory with a confidential chemical identity. Furthermore, no confidentiality claim for chemical identity will be accepted unless accompanied by a separate written substantiation for the individual chemical substance claimed as confidential, with detailed answers to the 11 questions prescribed in § 710.38 of the Inventory Update Rule. As provided in § 710.38(d), failure to provide the necessary substantiation at the time of filing may result in the chemical identity reported being made available to the public without further notice to the submitter.

#### V. Electronic Reporting

Section 710.32(b) provides that magnetic media submitted in response to the IUR must meet the EPA specifications, as described in the "Instructions for Reporting for the Partial Updating of the TSCA Chemical Inventory Data Base" available from the TSCA Hotline. In the 1986 rule, submitters were to report by paper or computer tape. Because of the ready availability of microcomputers, in 1990 EPA modified this section of the Instructions to allow reporting using floppy diskettes. The major change in 1994 is that magnetic tape submissions will not be accepted. For the 1994 reporting period, ASCII diskette

submissions from IBM and compatible personal computers are permissible. EPA's specifications for the format and detailed instructions for electronic reporting can be found in "Instructions for Reporting for the 1994 Partial Updating of the TSCA Chemical Inventory Data Base." Because of TSCA security considerations, reporting via telecommunication lines is not accepted.

The 1986 rule required that chemical substances whose identities are confidential be reported by hard copy means only. This was amended in 1990 to allow reporting of such substances via magnetic media. In the 1994 reporting period, chemical substances whose identities are confidential may again be reported via magnetic media.

#### VI. Paperwork Reduction Act

The information collection requirements in this rule have been approved by the Office of Management and Budget (OMB) under the *Paperwork Reduction Act*, 44 U.S.C. 3501 *et seq*. and have been assigned control number OMB No. 2070–0070.

This collection of information has an estimated reporting/recordkeeping burden averaging 1.2 hours per chemical report per respondent. These estimates include time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

Send comments regarding the burden estimate or any other aspect of this collection, including suggestions for reducing this burden to Chief, Information Policy Branch (Mail Code 2136); U.S. Environmental Protection Agency; 401 M St., SW., Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503, marked "Attention: Desk Officer for EPA."

#### List of Subjects in 40 CFR Part 710

Environmental protection, Chemicals, Hazardous substances, Reporting and recordkeeping requirements.

Dated: June 6, 1994.

#### Mark A. Greenwood,

Director, Office of Pollution Prevention and Toxics.

Therefore, 40 CFR part 710 is amended as follows:

#### PART 710—[AMENDED]

1. The authority citation for part 710 continues to read as follows:

Authority: 15 U.S.C. 2607(a).

2. Section 710.39 is revised to read as follows:

## § 710.39 Instructions for submitting information.

(a) All persons submitting written information in response to the requirements of this subpart must use original copies of Form U available from EPA at the address set forth in paragraph (b) of this section.

(b) Complete instructions for completing the reporting form and

preparing a magnetic media report are given in the EPA publication entitled "Instructions for Reporting for 1994 Partial Updating of the TSCA Chemical Inventory Data Base." Reporting forms and instruction booklets may be obtained from the following address: TSCA Hotline (7408), Office of Pollution Prevention and Toxics, U.S. Environmental Protection Agency, 401 M St., SW., Washington, DC 20460,

ATTN: Inventory Update Rule, (202) 554-1404.

(c) Completed reporting forms and magnetic media must be submitted to: Document Control Officer (7407), Office of Pollution Prevention and Toxics, U.S. Environmental Protection Agency, 401 M St., SW., Washington, DC 20460, ATTN: Inventory Update Rule.

[FR Doc. 94-14415 Filed 6-13-94; 8:45 am] BILLING CODE 6560-50-F



A Conference On

# THE TOXIC SUBSTANCES CONTROL ACT (TSCA): How To Build An Effective Compliance Strategy

The EPA is Serious about TSCA Enforcement

#### Attend this timely and practical seminar if you represent

- A Chemical or Non-Chemical Company, or
- A Large or Small Company

#### **LEARN ABOUT:**

- How Other Companies Comply with TSCA Requirements
- EPA Initiatives to Facilitate Compliance
- The Proposed Rule on CAIR
- Proposed Modifications to Inventory Update, Reporting Production Information, and EPCRA
- TSCA Reauthorization

October 6-7, 1994 Washington, DC

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# THE TOXIC SUBSTANCES CONTROL ACT (TSCA): How To Build An Effective Compliance Strategy

#### WHY YOU SHOULD ATTEND

EPA is vigorously enforcing the data requirements of TSCA. The evidence is the millions of dollars in fines imposed on dozens of companies. For example, in 1993, the EPA cited 23 companies nearly 25 million dollars for alleged TSCA violations. Was your company fined? What will happen to you during new enforcement initiatives?

If you think that TSCA doesn't apply to your company, think again. TSCA applies to companies that are outside the chemical industry too, if they use, import, export, or distribute chemicals to manufacture non-chemical products. Furthermore, TSCA compliance and enforcement also applies to chemicals that are not toxic.

TSCA violation penalties are among the highest of any EPA enforcement program. Be sure everyone in your organization knows which of their responsibilities triggers TSCA requirements, and what actions are required of them.

Attend Executive Enterprises, Inc.'s conference, THE TOXIC SUBSTANCES CONTROL ACT (TSCA): How To Build An Effective Compliance Strategy, and in two fast-paced days, clarify what is required of you, including:

- Proven Strategies from Companies that Have Made TSCA Work
- · Understanding the Most Recent Enforcement Initiatives
- Complying with the Inventory Update Rule (IUR)
- How to Survive a TSCA/EPCRA Enforcement Inspection and Its Aftermath

- Principles and Strategies for TSCA Auditing
- How Broad EPA Definitions of Jurisdictional Terms Increase the Scope of TSCA Obligations for Many Businesses
- How Increased Enforcement Action against Chemical Users May Affect Your Company
- Specific Strategies That Have Been Successful in Managing TSCA Compliance for Chemical and Non-Chemical Companies
- What to Expect from The Administration and Congress in the Way of TSCA Amendments and Reauthorization
- What to Expect from EPA's New Section 8(e) Guidelines
- Compliance Strategies for Chemical Import and Export
- Reporting and Recordkeeping Requirements
- Why Many Chemical Users are Defined by TSCA as Processors
- Requirements, Procedures, and Policies for New Chemical Review
- Effective Enforcement and Compliance Tools Available from the EPA

Be sure you understand what TSCA expects of you when you use, manufacture, transfer, import, or even distribute chemicals. Many companies outside the mainstream chemical industry are subject to TSCA because of the way they obtain chemicals. Save your company from paying devastating fines and disrupting its business operations by having an effective strategy in place—register today!

Call 1-800-831-8333 or FAX your completed registration form to 212-645-8689.

#### **CHAIRPERSON**

Ronald B. Outen, Ph.D. Vice President JELLINEK, SCHWARTZ & CONNOLLY, INC. Washington, DC

## LUNCHEON ADDRESS SPEAKER

Joseph Carra
Deputy Director, Office of
Pollution Prevention &
Toxics
U.S. ENVIRONMENTAL
PROTECTION
AGENCY

Washington, DC

#### **FACULTY**

Christopher L. Bell Partner, Environmental Practice Group SIDLEY & AUSTIN Washington, DC

Carol Clayton
Partner
WILMER, CUTLER & PICKERING
Washington, DC

Stuart R. Deans Partner ROBINSON & COLE Stamford, Connecticut Mary Catherine Fish
Senior Project Manager
JELLINEK, SCHWARTZ
& CONNOLLY, INC.
Washington, DC

Katherine M. Hart Senior Project Manager JELLINEK, SCHWARTZ & CONNOLLY, INC. Washington, DC

Daniel Levine
Director, Product Safety and
Integrity
ALLIEDSIGNAL, INC.
Morristown, New Jersey

David E. Menotti
Partner
SHAW PITTMAN POTTS
& TROWBRIDGE
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Lee Tischler
Specialist, Environment,
Health & Safety
HONEYWELL INC.
Minneapolis, Minnesota

John Walker
Senior Regulatory Specialist,
Product Integrity
Department
ROHM & HAAS
COMPANY
Philadelphia, Pennsylvania

Michael J. Walker
Enforcement Counsel, Toxic
Substances & Pesticides
Toxic Litigation Division
Office of Enforcement
U.S. ENVIRONMENTAL
PROTECTION AGENCY
Washington, DC

#### WHO SHOULD ATTEND

- · Environmental Counsel
- Product Safety Managers
- Operations Managers
- Environmental Engineers
- · Plant Engineers
- Managers of Environment, Health, Medicine & Safety
- Regulatory Chemists
- Regulatory Affairs Specialists
- Technical Managers
- Regulatory Health Advisors
- Environmental Control Managers
- Regulatory Compliance Managers

#### ABOUT THE SPONSOR

Executive Enterprises, Inc. continues as a leader in management education since 1971. Executive Enterprises conducts quality conferences and seminars which provide executives and their professional advisors with practical, "need-to-know" information.

Executive Enterprises conducts approximately 500 conferences annually, primarily in the areas of: environmental issues and regulations; energy; banking; finance; corporate accounting and reporting; real estate; taxation; personnel and human resources; labor relations; and insurance. Since Executive Enterprises is a nonaffiliated, self-funded organization with no commercial or political interests, unbiased relevant information is provided at all of our conferences. This information fulfills a critical need that has contributed to the success of the more than 450,000 business and government executives who have attended our conferences.

## Thursday, October 6, 1994

#### 9:00-10:45 KEY TSCA COMPLIANCE ISSUES

In this kick-off presentation, the Chairperson, the former Chief of the Policy and Chemical Regulation Branch in the EPA Office of Toxic Substances, sets the framework for understanding TSCA and managing TSCA compliance, and provides an overview of the various TSCA requirements. TSCA regulates the manufacture, importation, processing, distribution in commerce, use, and disposal of chemical substances — it reaches well beyond the chemical industry. Learn how TSCA applies to chemical users and what the Environmental Protection Agency and Congress are trying to accomplish with TSCA.

Ronald B. Outen, Ph.D. • Vice President • JELLINEK, SCHWARTZ & CONNOLLY, INC. • Washington, DC • (Chairperson)

# 10:45-11:30 HOW TO KEEP RECORDS OF SIGNIFICANT ADVERSE EFFECTS AND REPORT UNPUBLISHED HEALTH AND SAFETY STUDIES — SECTIONS 8(c) AND 8(d)

Walk through the recordkeeping and reporting requirements of Sections 8(c) and 8(d), respectively, and prepare yourself for keeping records of significant adverse effects and reporting unpublished health and safety studies. Find out:

- Who Needs to Know about Sections 8(c) and 8(d).
- Who is Covered by Section 8(c)
- What Must be Recorded under Section 8(c)
- How to Address Significant Adverse Reactions
- Which Allegations Do Not Have to be Recorded
- How to Keep 8(c) Records
- Who and What is Covered by Section 8(d)
- When to Submit Studies to ÉPA
- The Scope of the Health and Safety Study Definition
- Exemptions to Section 8(d) Requirements
- Links with the Rest of TSCA

Christopher L. Bell • Partner, Environmental Practice Group • SIDLEY & AUSTIN • Washington, DC

# 11:30-12:30 BE PREPARED FOR SUBSTANTIAL RISK REPORTING AND THE ENVIRONMENTAL CAP AUDIT PROGRAM — SECTION 8(e)

Learn what is covered under Section 8(e) reporting requirements, and what triggers substantial risk reporting. The speaker outlines the required time frames for reporting and the potential liability you may face by not reporting. You also find out the latest on reporting environmental information and the Compliance Audit Program (CAP).

Carol Clayton • Partner • WILMER, CUTLER & PICKERING • Washington, DC

#### 12:30-1:30 LUNCHEON

# 1:30-2:00 LUNCHEON ADDRESS: "THE LATEST DEVELOPMENTS IN TSCA AND POLLUTION PREVENTION — WHERE EPA IS GOING AND HOW TSCA FITS IN"

The Deputy Director of EPA's Office of Pollution Prevention and Toxics gives you an insider's look at where EPA is going in the coming year, the latest developments in pollution prevention, and how TSCA fits in.

Joseph Carra • Deputy Director, Office of Pollution Prevention & Toxics • U.S. ENVIRONMENTAL PROTECTION AGENCY • Washington, DC

# 2:00-3:00 THE NEW CHEMICAL NOTIFICATION REQUIREMENTS: FROM R&D TO FULL PRODUCTION

This presentation covers the components of the EPA's New Chemicals Program under TSCA Section 5. Learn about EPA's review of "new" chemicals and "significant new uses" of existing chemicals. Get practical tips for compliance with Section 5 requirements, including premanufacture notice preparation. The speaker also explains how to maintain the Section 5 research and development exemption.

Katherine M. Hart • Senior Project Manager • JELLINEK, SCHWARTZ & CONNOLLY, INC. • Washington, DC

# 3:00-3:45 UPDATE ON PRODUCTION (PAIR, CAIR, IUR), AND CONDUCTING TESTING UNDER TSCA — SECTIONS 8(a), 8(b) AND 4

Understanding the TSCA Inventory -- how it is compiled, kept current, and used -- is critically important. Gain a better understanding of testing under TSCA and when you must report production information. Find out about:

- The TSCA Inventory Update Requirements and Common Compliance Errors under CAIR and PAIR
- Testing under Section 4

Throughout the presentation, the speaker provides detailed tips on complying with these requirements.

John Walker • Senior Regulatory Specialist, Product Integrity Department • ROHM & HAAS COMPANY
• Philadelphia, Pennsylvania

# 3:45-4:30 DEVELOPING SUCCESSFUL CHEMICAL IMPORT/EXPORT STRATEGIES — SECTIONS 13 AND 12(b)

Walk through the elements of a successful chemical import/export strategy consistent with TSCA Sections 13 and 12(b). Focus on:

- Import Certification Requirements
- Positive/Negative Certification Determinations
- Import Certification Compliance Program Elements
- Review of Recent Enforcement Efforts
- Information Sources for Notification

Stuart R. Deans • Partner • ROBINSON & COLE • Stamford, Connecticut

#### 4:30-5:00 QUESTION AND ANSWER SESSION

Faculty

#### Friday, October 7, 1994

# 8:30-10:00 MANAGING TSCA COMPLIANCE: SPECIAL CHALLENGES AND A MANAGEMENT MODEL THAT WORKS

After finding out how the different sections of TSCA regulate your operations, you focus on developing effective management strategies for compliance. This practical session includes:

- TSCA Compliance as a New Challenge
- Factors to Consider in Developing a TSCA Compliance Program
- Special Problems Presented by TSCA
- Strategies that Work for Addressing TSCA Issues
- Integrating TSCA Compliance with Chemical Management

Ronald B. Outen, Ph.D. • Vice President • JELLINEK, SCHWARTZ & CONNOLLY, INC. • Washington, DC • (Chairperson)

# 10:00-12:00 PROVEN STRATEGIES FROM COMPANIES THAT HAVE MADE TSCA WORK

Gain a better understanding of the proven TSCA compliance strategies at work in several companies from those corporate personnel responsible for TSCA implementation. Discover the tools used for TSCA compliance, the issues that arise during TSCA implementation, and future initiatives that are planned.

Daniel Levine • Director, Product Safety and Integrity • ALLIEDSIGNAL, INC. • Morristown, New Jersey

Lee Tischler • Specialist, Environment, Health & Safety • HONEYWELL INC. • Minneapolis, Minnesota

#### 12:00-1:30 LUNCH BREAK

# 1:30-2:15 HOW TO SURVIVE A TSCA/EPCRA ENFORCEMENT INSPECTION AND ITS AFTERMATH

The former Associate General Counsel for TSCA walks you through various strategies for successfully navigating through the TSCA inspection process. You focus on:

- EPA's Authority to Inspect under TSCA/EPCRA
- Scope of the Inspection
- · How a TSCA Inspection Proceeds
- How to Prepare for a TSCA Inspection
- How to Behave During the Inspection
- What to Do Immediately After the Inspection and Before EPA Decides on its Course of Action
- What Happens if EPA Discovers a Potential TSCA Violation

EPA is planning an aggressive TSCA enforcement program for FY '95. If you manufacture, distribute, or process chemicals, you must prepare for the possibility that an EPA inspector may call. Attendance at this practical session ensures that you will be prepared when the inspector knocks at your door.

David E. Menotti • Partner • SHAW PITTMAN POTTS & TROWBRIDGE • Washington, DC

# 2:15-3:15 CURRENT ISSUES IN EPA'S TSCA COMPLIANCE ENFORCEMENT STRATEGIES AND TOOLS

Get an inside look at EPA's enforcement priorities and enforcement responses from the Enforcement Counsel for EPA's Office of Enforcement in the Toxic Litigation Division. Also review practical problems in complying with TSCA, and practical tips for dealing effectively with EPA.

Michael J. Walker • Enforcement Counsel, Toxic Substances & Pesticides • Toxic Litigation Division • Office of Enforcement • U.S. ENVIRONMENTAL PROTECTION AGENCY • Washington, DC

#### 3:15-4:00 HOW TO RUN AN EFFECTIVE TSCA AUDITING PROGRAM

TSCA audits are an effective and proactive tool for avoiding violations. Gain an enhanced understanding of:

- EPA Auditing Policy
- Prosecutorial Discretion Guidelines and Sentencing Guidelines
- Characteristics of TSCA Violations
- · Special Factors to Consider in TSCA Compliance Auditing
- Audit Principles Specific to TSCA

Mary Catherine Fish • Senior Project Manager • JELLINEK, SCHWARTZ & CONNOLLY, INC. • Washington, DC

#### 4:00 ADJOURNMENT

TO REGISTER: CALL 1-800-831-8333.

CALL - 1-800-831-8333	PLEAS	E PHOTOCOPY THIS FORM FOR ADDITIONAL REGISTRANTS.				
HOW TO REGISTER:   FAX - Registration Form to:	: 212-645-8689 b: Executive Enterprises, Inc. • 22 West 21st St. • New York, NY 10010-6990					
THE TOXIC SUBSTANCES CONTROLACT (TSC.		•				
October 6-7, 1994 • Washington Marriott Hotel • 1221 22nd St Washington, DC 20037 • 202-872-1500• Session #4ATOXD2	. NW • 2/E4058	Check Appropriate Box  Bill me. Check is enclosed. Payable to Executive Enterprises.				
Name		\$1,195Tuition fee per person  Fees include the cost of luncheon on the first day, coffee,				
Title		soft drinks, and the program handbook.  Charge my: MasterCard, VISA, Diners Club, or American Express				
Organization		Credit Card				
Division Mail Stop		Acc't No.				
Address		Exp. Date Cardholder's Name				
City		Signature				
State Zip+4   Telephone # ( )	То:	SL01 KOPPERS INDUSTRIES INC 7540 NW ST HELEN'S RD				
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October 6-7, 1994 Washington, DC AUG & 1994 POPERSINDS, INC. PO.CNAJTROG

THE TOXIC SUBSTANCES

THE TOXIC SUBSTANCES

THE TOXIC SUBSTANCES

Presents A Conference On



EXECUTIVE ENTERPRISES



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KOPPERS INDS., INC. PURTLAND, OR



Telephone: (412) 227-2001 FAX: (412) 227-2423

January 28, 1991

Document Processing Center (TS-790)
Office of Toxic Substances
U. S. Environmental Protection Agency
401 M. Street, S.W.
Washington, DC 20460
Room E-105

ATTN: <u>Inventory Update Rule</u>

Dear Sir:

You will find enclosed individual completed forms (Form U) which comprise the Koppers Industries, Inc. 1990 response to the TSCA Section 8(a) rule for the partial updating of the TSCA Chemical Inventory Data Base.

These forms, identified by number and itemized below, have been completed for each applicable plant site under Koppers control.

Plant Site	Report Number
Cicero, IL	61045357
Dolomite, AL	61045266
Dolomite, AL	61045324
Follansbee, WV	61045449
	61045472
Houston, TX	61045415
Portland, OR	61045290

Koppers Industries, Inc. wishes to receive an acknowledgement for receipt of this submission package from the EPA. The acknowledgement should be sent to my attention at the following address:

Koppers Industries, Inc. 436 Seventh Ave. Pittsburgh PA 15219-1800

We trust that the enclosed information satisfies our requirements for the Chemical Inventory Update due this year. Please do not hesitate to call me at (412) 227-2884 if there are any questions or need for additional information.

Sincerely,

John E. Marcinowski, Manager Labeling & Regulatory Programs

#### bcc:

J. R. BATCHELDER - K-1701

L. F. FLAHERTY - K-1750

J. E. MCFADDEN - UPARC

IMPORTANT: Before completing this form, carefully read the accompanying instructions. TYPE or PRINT.

Form Approved OMB 2070-0070 Approval expires 6-91

EPA Form 7740-8 (7-90)

9	US Environmental Protection Agency Partial Updating of TSCA Inventory Data Production and Site Report	Base 1990			
FORM	(Section 8(a) Toxic Substances Control Act 15 USC	607) 61045290			
U	Certification Statement: I hereby certify to the best of my knowledge and belief that on the back of this form are true as to that information for which I have asserted a confidence of the back of this form are true as	<ol> <li>all information entered on this form is complete and accurate, and (2) the confidentiality statementality claim.</li> </ol>	ents		
SIGNATU	DATE Jan. 28, 1991	NAME/TITLE (Type or Print) L. F. Flaherty/V.P. & Manager Tar Operation	ns		
	CAL CONTACT NAME	PLANT SITE NAME			
	nes E. McFadden	Koppers Industries, Inc. DUN & BRADSTREET NUMBER			
	ppers Industries, Inc.	02 - 773 - 4359			
	NY ADDRESSI 05 William Pitt Way	7540 NW St Helen's Rd.			
COMPAN	IY ADDRESS II	PLANT SITE STREET ADDRESS II N/A			
CITY	STATE	CITY	STATE		
	tsburgh. PA	Portland	OR		
ZIP COD		ZIP CODE 97210 — 3663			
	CHEMICAL SUBSTANCE IDEN	TITY/ACTIVITY/CONFIDENTIALITY			
Α	B. Identifying Number C. (See back of form) D. Mor i	CBI E. Limited CBI F. Production Volume CBI G. CBI	Chemical CBI		
1	65996-93-2 C I I H. Specific Chemical Name	[			
<u> </u>	COAL TAR PITCH ID CODE Activity	Site Production Volume Plant	Chemical		
A	B. Identifying Number C. (See back of form) D. Mor I	CBI E. Limited CBI F. in Pounds CBI G. CBI	СВІ		
2	H. Specific Chemical Name		<del></del>		
A	B. Identifying Number C. (See back of form) D. Mor I	CBI E. Limited CBI F. Production Volume CBI G. CBI	Chemical CBI		
3	H. Specific Chemical Name				
	ID CODE Activity	Site Production Volume Plant CBI   E. Limited CBI   F. in Pounds CBI   G. CBI	Chemical		
A	B. Identifying Number C. (See back of form) D. Mor /	CBI E. Limited CBI F. in Pounds CBI G. CBI	СВІ		
4	H. Specific Chemical Name				
A.	B. Identifying Number   C. (See back of form)   D. Mor I	CBI E. Limited CBI F. Production Volume CBI G. CBI	Chemical CBI		
5					
5	H, Specific Chemical Name				
A	B. Identifying Number C. (See back of form) D. Mor i	CBI E. Limited CBI F. in Pounds CBI G. CBI	Chemical CBI		
6	H. Specific Chemical Name				
A.	B. Identifying Number   C. (See back of form)   D. Mor I	Site Production Volume Plant CBI   E. Limited CBI   F. in Pounds CBI   G. CBI	Chemical CBI		
7	S. Identifying volume.				
	H. Specific Chemical Name				
Α.	B. Identifying Number C. (See back of form) D. M or I	CBI E. Limited CBI F. in Pounds CBI G. CBI	Chemical CBI		
8	H. Specific Chemical Name				
A	B. Identifying Number C. (See back of form) D. M.or I	Site Production Volume CBI G. CBI F. in Pounds CBI G. CBI	Chemical CBI		
9	H. Specific Chemical Name				
	iD CODE Activity	SiteProduction VolumePlant	Chemical		
Α.	B. Identifying Number C. (See back of form) D. Mor 1	CBI E. Limited CBI F. in Pounds CBI G. CBI	CBI		
10	H. Specific Chemical Name		<u> </u>		
	<u> </u>				

#### Public Notice draft 5 October 2006

Permit Number: 10164 Expiration Date: 2009 File Number: 47430 Page 1 of 10 Pages



#### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

#### WASTE DISCHARGE PERMIT

Department of Environmental Quality
Northwest Region Office
2020 Southwest Fourth Avenue, Portland, OR 97201-4987
Telephone: (503) 229-5263

Issued nursuant to ODS 460D 050 and The Endown Class Water A

lssued pursuar	nt to ORS 468B.050 and	The Federal Clea	n Water Act		
ISSUED TO:	SOURCES COVERED BY THIS PERMIT:				
Koppers Industries, Inc. NW Terminal 7540 NW St. Helens Road	Type of Waste	Outfall <u>Number</u>	Outfall Location		
Portland OR 97229	Tank Farm runoff and boiler blo	001 wdown	RM 6.5		
PLANT TYPE AND LOCATION:	RECEIVING STREAM INFORMATION:				
Coal Tar Pitch Terminal 7540 NW St. Helens Rd. Portland, Oregon	Basin: Willamette Sub-Basin: Lower Willamette Stream: Willamette River by way of Doane Creek LLID/RM 1227618456580/6.5 County: Multnomah				
<b>EPA REFERENCE NUMBER:</b> OR Issued in response to Application No. 9		2003			
Neil Mullane, Manager, Water Quality Northwest Region			Date		
Until this permit expires or is modified a waste water collection, treatment, conwaste waters only from the authorized with all the requirements, limitations, a Schedule A - Waste Discharge Limitations Schedule B - Minimum Monitoring Schedule C - Compliance Condition Schedule D - Special Conditions	ntrol and disposal syster discharge point or point and conditions set forth itations not to be Exceed and Reporting Requirer as and Schedules	ee is authorized to m and discharge to s established in So in the attached sch ded	public waters adequately treated chedule A and only in conformance edules as follows:  Page 2		

Unless specifically authorized by this permit, by another NPDES or WPCF permit, or by Oregon Administrative Rule, any other direct or indirect discharge to waters of the state is prohibited, including discharge to an underground injection control system.

#### SCHEDULE A Waste Discharge Limitations not to be Exceeded After Permit Issuance Date

#### 1. Waste Discharge Limitations not to be Exceeded After Permit Issuance Date

Outfall Number 001. Samples are to be collected from the six on-site storage tanks.

	Concentrations		
Doromotor	Monthly Ave	Daily Max.	
Parameter	mg/L	mg/L	
Oil and Grease	10	15	
Phenols	0.5	0.7	
Cyanide	0.0059	0.0085	
Other Parameters	Limitations		
pH	Shall be within the range of 6.5 to		
Temperature	Shall not exceed 25 °C		
	Maximum Concentration, μg/L		
PAHs, total	250		
Benzo(a)anthracene	0.032		
Benzo(a)pyrene	0.032		
Benzo(b)fluoranthene	0.032		
Benzo(k)fluoranthene	0.032		
Chrysene	0.032		
Dibenzo(ah)anthracene	0.032		
Benzene	25		
BTEX	250		

Individual PAH limits are calculated using limits from OAR 340, Division 41, Table 33A for fish consumption only.

2. Notwithstanding the effluent limitations established by this permit, no wastes shall be discharged and no activities shall be conducted which will violate Water Quality Standards as adopted in OAR 340-41.

Koppers012595

#### SCHEDULE B

# Minimum Monitoring and Reporting Requirements (unless otherwise approved in writing by the Department)

Outfall Number 001. Samples are to be collected from the six on-site storage tanks.

Item or Parameter	Minimum Frequency	Type of Sample
Flow	Daily	Estimate
Temperature	Daily	Grab
pH	Daily	Grab
Oil and grease	Weekly	Grab
Phenois *	Monthly	Grab
Cyanide	Monthly	Grab
Polynuclear Aromatic Hydrocarbons**	Quarterly	Grab

- \* Test procedures for phenols should conform to Standard Methods No. 5530C, latest Edition or equivalent.
- \*\* Test procedures for polynuclear aromatic hydrocarbons (PAH) should be EPA Method 610 or equivalent.

In addition, the following metals shall be sampled monthly using grab samples for a period of one year from the issuance date of this permit. At the end of the year, the Department will review the data and determine whether the permit needs to be reopened. The analysis method detection limits must be low enough so that exceedances of fresh water chronic standards per OAR 340-041 Table 20 can be detected.

Priority pollutant metals silver, arsenic, beryllium, cadmium, copper, mercury, nickel, lead, tin, selenium, titanium, and zinc (Ag, As, Be, Cd, Cu, Hg, Ni, Pb, Sb, Se, Ti, and Zn)

#### Reporting Procedures

Monitoring results shall be reported on approved forms. The reporting period is the calendar month. Reports must be submitted to the Department by the 15th day of the following month.

## SCHEDULE D Special Conditions

- 1. Sanitary wastes shall be disposed of to the City of Portland municipal sewage system.
- 2. An adequate contingency plan for prevention and handling of spills and unplanned discharges shall be in force at all times. A continuing program of employee orientation and education shall be maintained to ensure awareness of the necessity of good inplant control and quick and proper action in the event of a spill or accident.
- 3. No emulsifying agents or detergents shall be discharged into or otherwise be allowed to enter into the oilwater separator. The use of Zep-Big Orange is allowed unless the City of Portland Bureau of Environmental Services requests that its use be discontinued.

#### **SCHEDULE F** NPDES GENERAL CONDITIONS

#### SECTION A. STANDARD CONDITIONS

1.

Duty to Comply with Permit
The permittee must comply with all conditions of this permit. Failure to comply with any permit condition is a violation of the Clean Water Act, Oregon Revised Statutes (ORS) 468B.025, and 40 Code of Federal Regulations (CFR) Section 122.41(a), and grounds for an enforcement action. Failure to comply is also grounds for the Department to modify, revoke, or deny renewal of a permit.

Penalties for Water Pollution and Permit Condition Violations
ORS 468.140 allows the Department to impose civil penalties up to \$10,000 per day for violation of a term, condition, or requirement of a permit. Additionally 40 CFR 122.41 (A) provides that any person who violates any permit condition, term, or requirement may be subject to a federal civil penalty not to exceed \$25,000 per day for each 2. violation.

Under ORS 468.943 and 40 CFR 122.41(a), unlawful water pollution, if committed by a person with criminal negligence, is punishable by a fine of up to \$25,000 imprisonment for not more than one year, or both. Each day on which a violation occurs or continues is a separately punishable offense.

Under ORS 468.946, a person who knowingly discharges, places, or causes to be placed any waste into the waters of the state or in a location where the waste is likely to escape into the waters of the state is subject to a Class B felony punishable by a fine not to exceed \$200,000 and up to 10 years in prison. Additionally, under 40 CFR 122.41(a) any person who knowingly discharges, places, or causes to be placed any waste into the waters of the state or in a location where the waste is likely to escape into the waters of the state is subject to a federal civil penalty not to exceed \$100,000, and up to 6 years in prison.

3.

Duty to Mitigate
The permittee must take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment. In addition, upon request of the Department, the permittee must correct any adverse impact on the environment or human health resulting from noncompliance with this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

4.

<u>Duty to Reapply</u>
If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and have the permit renewed. The application must be submitted at least 180 days before the expiration date of this permit.

The Department may grant permission to submit an application less than 180 days in advance but no later than the permit expiration date.

#### 5. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause including, but not limited to, the following:

b.

- Violation of any term, condition, or requirement of this permit, a rule, or a statute
  Obtaining this permit by misrepresentation or failure to disclose fully all material facts
  A change in any condition that requires either a temporary or permanent reduction or elimination of the C. authorized discharge
- The permittee is identified as a Designated Management Agency or allocated a wasteload under a Total Maximum Daily Load (TMDL)

  New information or regulations

  Modification of compliance schedules d.

- Requirements of permit reopener conditions

g. h.

- Correction of technical mistakes made in determining permit conditions
  Determination that the permitted activity endangers human health or the environment
  Other causes as specified in 40 CFR 122.62, 122.64, and 124.5

The filing of a request by the permittee for a permit modification, revocation or reissuance, termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

6.

Toxic Pollutants
The permittee must comply with any applicable effluent standards or prohibitions established under Oregon
Administrative Rules (OAR) 340-041-0033 for toxic pollutants within the time provided in the regulations that establish those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

- Property Rights and Other Legal Requirements
  The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege, or authorize any injury to persons or property or invasion of any other private rights, or any infringement of federal, tribal, state, or local 7. laws or regulations.
- 8. Permit References

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Except for effluent standards or prohibitions established under Section 307(a) of the Clean Water Act and OAR 340-041-0033 for toxic pollutants, all rules and statutes referred to in this permit are those in effect on the date this permit is issued.

9. Permit Fees

The permittee must pay the fees required by Oregon Administrative Rules.

#### SECTION B. OPERATION AND MAINTENANCE OF POLLUTION CONTROLS

Proper Operation and Maintenance
The permittee must at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems that are installed 1.

by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

Need to Halt or Reduce Activity Not a Defense
For industrial or commercial facilities, upon reduction, loss, or failure of the treatment facility, the permittee must, to the extent necessary to maintain compliance with its permit, control production or all discharges or both until the facility is restored or an alternative method of treatment is provided. This requirement applies, for example, when the primary source of power of the treatment facility fails or is reduced or lost. It is not a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the 2. conditions of this permit.

#### 3. Bypass of Treatment Facilities

**Definitions** a.

"Bypass" means intentional diversion of waste streams from any portion of the treatment facility. The term "bypass" does not apply if the diversion does not cause effluent limitations to be exceeded, provided the diversion is to allow essential maintenance to assure efficient operation or the diversion is due to nonuse of nonessential treatment units or processes at the treatment facility.

"Severe property damage" means substantial physical damage to property, damage to the treatment facilities or treatment processes that causes them to become inoperable, or substantial and permanent

(2) loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

Prohibition of bypass. b.

Bypass is prohibited unless:

Bypass was necessary to prevent loss of life, personal injury, or severe property damage; There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass that occurred during normal periods of equipment downtime or preventative maintenance; and (c) The permittee submitted notices and requests as required under General Condition B.3.c. The Department may approve an anticipated bypass, after considering its adverse effects and any alternatives to bypassing, when the Department determines that it will meet the three conditions listed above in General Condition B.3.b.(1).

(2)

C.

Notice and request for bypass.

(1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, a written notice must be submitted to the Department at least ten days before the date of the bypass.

(2) Unanticipated bypass. The permittee must submit notice of an unanticipated bypass as required in General Condition D.5.

#### 4. <u>Upset</u>

- Definition. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable a. control of the permittee. An upset does not include noncompliance to the extent caused by operation error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or careless or improper operation.
- Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitations if the requirements of General Condition B.4.c are met. No b. determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
- Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset must demonstrate, through properly signed, contemporaneous operating logs, or other relevant C. evidence that:

(1) (2) (3) An upset occurred and that the permittee can identify the causes(s) of the upset;

The permitted facility was at the time being properly operated;
The permittee submitted notice of the upset as required in General Condition D.5, hereof (24-hour

(4) The permittee complied with any remedial measures required under General Condition A.3 hereof.

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d. Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

5. Treatment of Single Operational Upset
For purposes of this permit, A Single Operational Upset that leads to simultaneous violations of more than one pollutant parameter will be treated as a single violation. A single operational upset is an exceptional incident that causes simultaneous, unintentional, unknowing (not the result of a knowing act or omission), temporary noncompliance with more than one Clean Water Act effluent discharge pollutant parameter. A single operational upset does not include Clean Water Act violations involving discharge without a NPDES permit or noncompliance to the extent caused by improperly designed or inadequate treatment facilities. Each day of a single operational upset is a violation.

#### 6. Overflows from Wastewater Conveyance Systems

a. Definitions

- (1) "Overflow" means the diversion and discharge of waste streams from any portion of the wastewater conveyance system through a designed overflow device or structure, other than discharges to the wastewater treatment facility.
- (2) "Severe property damage" means substantial physical damage to property, damage to the conveyance system which causes it to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of an overflow.

(3) "Uncontrolled overflow" means the diversion of waste streams other than through a designed overflow device or structure.

b. Prohibition of overflows. Overflows are prohibited unless:

- (1) Overflows were unavoidable to prevent an uncontrolled overflow, loss of life, personal injury, or severe property damage;
- (2) There were no feasible alternatives to the overflows, such as the use of auxiliary conveyance systems, or maximization of conveyance system storage; and
- or maximization of conveyance system storage; and

  The overflows are the result of an upset as defined in General Condition B.4. and meeting all requirements of this condition.
- c. Uncontrolled overflows are prohibited where wastewater is likely to escape or be carried into the waters of the State by any means.
- d. Reporting required. Unless otherwise specified in writing by the Department, all overflows and uncontrolled overflows must be reported orally to the Department within 24 hours from the time the permittee becomes aware of the overflow. Reporting procedures are described in more detail in General Condition D.5.

7. Public Notification of Effluent Violation or Overflow
If effluent limitations specified in this permit are exceeded or an overflow occurs, upon request by the Department, the permittee must take such steps as are necessary to alert the public about the extent and nature of the discharge. Such steps may include, but are not limited to, posting of the river at access points and other places, news releases, and paid announcements on radio and television.

8. Removed Substances
Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters must be disposed of in such a manner as to prevent any pollutant from such materials from entering waters of the state, causing nuisance conditions, or creating a public health hazard.

#### SECTION C. MONITORING AND RECORDS

1. Representative Sampling
Sampling and measurements taken as required herein must be representative of the volume and nature of the monitored discharge. All samples must be taken at the monitoring points specified in this permit, and shall be taken, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water, or substance.

Monitoring points may not be changed without notification to and the approval from the Department.

2. Flow Measurements
Appropriate flow measurement devices and methods consistent with accepted scientific practices must be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices must be installed, calibrated and maintained to insure that the accuracy of the measurements is consistent with the accepted capability of that type of device. Devices selected must be capable of measuring flows with a maximum deviation of less than ± 10 percent from true discharge rates throughout the range of expected discharge volumes.

3. Monitoring Procedures

Monitoring must be conducted according to test procedures approved under 40 CFR part 136, unless other test procedures have been specified in this permit.

4. Penalties of Tampering
The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit may, upon conviction, be punished by a fine of not more than \$10,000 per violation, imprisonment for not more than two years, or both. If a conviction of a person is for a violation committed after a first conviction of such person, punishment is a fine not more than \$20,000 per day of violation, or by imprisonment of not more than four years, or both.

5. Reporting of Monitoring Results

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Monitoring results must be summarized each month on a Discharge Monitoring Report form approved by the Department. The reports must be submitted monthly and are to be mailed, delivered or otherwise transmitted by the 15th day of the following month unless specifically approved otherwise in Schedule B of this permit.

6. Additional Monitoring by the Permittee

If the permittee monitors any pollutant more frequently than required by this permit, using test procedures approved under 40 part CFR 136 or as specified in this permit, the results of this monitoring must be included in the calculation and reporting of the data submitted in the Discharge Monitoring Report. Such increased frequency must also be indicated. For a pollutant parameter that may be sampled more than once per day (e.g., Total Chlorine Residual), only the average daily value must be recorded unless otherwise specified in this permit.

7.

Averaging of Measurements
Calculations for all limitations that require averaging of measurements must utilize an arithmetic mean, except for bacteria which shall be averaged as specified in this permit.

8.

Retention of Records
The permittee must retain records of all monitoring information, including: all calibration, maintenance records, all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit. and records of all data used to complete the application for this permit for a period of at least 3 years from the date of the sample, measurement, report, or application. This period may be extended by request of the Department at any time.

9.

Records Contents
Records of monitoring information must include:

- The date, exact place, time, and methods of sampling or measurements;
- b. The individual(s) who performed the sampling or measurements;

- The date(s) analyses were performed; The individual(s) who performed the analyses; The analytical techniques or methods used; and The results of such analyses. c. d.

10.

<u>Inspection and Entry</u>
The permittee must allow the Department or an authorized representative upon the presentation of credentials to:

- Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit; Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- b.
- C.
- Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit, and Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by state law, any substances or parameters at any location. d.

#### SECTION D. REPORTING REQUIREMENTS

Planned Changes
The permittee must comply with OAR chapter 340, division 52, "Review of Plans and Specifications" and 40 CFR Section 122.41(1) (1). Except where exempted under OAR chapter 340, division 52, no construction, installation, or modification involving disposal systems, treatment works, sewerage systems, or common sewers may be commenced until the plans and specifications are submitted to and approved by the Department. The permittee must give notice to the Department as soon as possible of any planned physical alternations or additions to the permitted facility.

2.

Anticipated Noncompliance
The permittee must give advance notice to the Department of any planned changes in the permitted facility or activity that may result in noncompliance with permit requirements.

3.

Transfers
This permit may be transferred to a new permittee provided the transferee acquires a property interest in the permitted activity and agrees in writing to fully comply with all the terms and conditions of the permit and the rules of the Commission. No permit may be transferred to a third party without prior written approval from the Department. The Department may require modification, revocation, and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the Clean Water Act (see 40 CFR Section 122.61; in some cases, modification or revocation and reissuance is mandatory). The permittee must notify the Department when a transfer of property interest takes place.

4.

Reports of compliance or noncompliance with, or any progress reports on interim and final requirements contained in any compliance schedule of this permit must be submitted no later than 14 days following each schedule date. Any reports of noncompliance must include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirements.

5.

Twenty-Four Hour Reporting
The permittee must report any noncompliance that may endanger health or the environment. Any information must be provided orally (by telephone) within 24 hours, unless otherwise specified in this permit, from the time the permittee becomes aware of the circumstances. During normal business hours, the Department's Regional office must be called. Outside of normal business hours, the Department must be contacted at 1-800-452-0311 (Oregon Emergency Response System).

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Page 9 of 10 A written submission must also be provided within 5 days of the time the permittee becomes aware of the circumstances. Pursuant to ORS 468.959 (3) (a), if the permittee is establishing an affirmative defense of upset or bypass to any offense under ORS 468.922 to 468.946, delivered written notice must be made to the Department or other agency with regulatory jurisdiction within 4 (four) calendar days of the time the permittee becomes aware of the circumstances. The written submission must contain.

b.

A description of the noncompliance and its cause;
The period of noncompliance, including exact dates and times;
The estimated time noncompliance is expected to continue if it has not been corrected;
Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance; and Public notification steps taken, pursuant to General Condition B.6 c. d. e.

The following must be included as information that must be reported within 24 hours under this paragraph:

- Any unanticipated bypass that exceeds any effluent limitation in this permit;
  Any upset that exceeds any effluent limitation in this permit;
  Violation of maximum daily discharge limitation for any of the pollutants listed by the Department in this g. h. permit; and
- Any noncompliance that may endanger human health or the environment.

The Department may waive the written report on a case-by-case basis if the oral report has been received within 24

6.

b.

Other Noncompliance
The permittee must report all instances of noncompliance not reported under General Condition D.4 or D.5, at the time monitoring reports are submitted. The reports must contain:
a. A description of the noncompliance and its cause;

The period of noncompliance, including exact dates and times;
The estimated time noncompliance is expected to continue if it has not been corrected; and Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. c. d.

7.

<u>Duty to Provide Information</u>
The permittee must furnish to the Department within a reasonable time any information that the Department may request to determine compliance with this permit. The permittee must also furnish to the Department, upon request, copies of records required to be kept by this permit.

Other Information: When the permittee becomes aware that it has failed to submit any relevant facts or has submitted incorrect information in a permit application or any report to the Department, it must promptly submit such facts or information.

8. Signatory Requirements

All applications, reports or information submitted to the Department must be signed and certified in accordance with 40 CFR Section 122.22.

9.

Falsification of Information
Under ORS 468.953, any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance, is subject to a Class C felony punishable by a fine not to exceed \$100,000 per violation and up to 5 years in prison. Additionally, according to 40 CFR 122.41(k)(2), any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a federal civil penalty not to exceed \$10,000 per violation, or by imprisonment for not more than 6 months per violation or by both per violation, or by both.

10.

<u>Changes to Discharges of Toxic Pollutant</u>
The permittee must notify the Department as soon as it knows or have reason to believe of the following:

That any activity has occurred or will occur that would result in the discharge, on a routine or frequent basis, of any toxic pollutant that is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:

One hundred micrograms per liter (100 µg/l); Two hundred micrograms per liter (200 µg/l) for acrolein and acrylonitrile; five hundred micrograms  $\binom{1}{2}$ Five (500 µg/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;
Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR Section 122.21(g)(7); or
The level established by the Department in accordance with 40 CFR Section 122.44(f).

(3)

- (4)
- That any activity has occurred or will occur that would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant that is not limited in the permit, if that discharge will exceed the highest of the b. following "notification levels":

  (1) Five hundred micrograms per liter (500 µg/l);
  (2) One milligram per liter (1 mg/l) for antimony;

Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR Section 122.21(g)(7); or

(4)The level established by the Department in accordance with 40 CFR Section 122.44(f).

#### SECTION E. DEFINITIONS

BOD means five-day biochemical oxygen demand. 1.

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TSS means total suspended solids.

"Bacteria" includes but is not limited to fecal coliform bacteria, total coliform bacteria, and E. coli bacteria.

FC means fecal coliform bacteria.

Total residual chlorine means combined chlorine forms plus free residual chlorine

Technology based permit effluent limitations means technology-based treatment requirements as defined in 40 CFR Section 125.3, and concentration and mass load effluent limitations that are based on minimum design criteria specified in OAR Chapter 340, Division 41.

mg// means milligrams per liter

mg/l means milligrams per liter.
kg means kilograms.

- m/d means cubic meters per day.

  MGD means million gallons per day.
- MGD means million gallons per day.

  24-hour Composite sample means a combination of at least six discrete sample aliquots of at least 100 milliliters, collected at periodic intervals from the same location, during the operating hours of the facility over a 24 hour period. Four (rather than six) aliquots should be collected for volatile organics analyses. The composite must be flow or time proportional, whichever is more appropriate. The sample aliquots must be collected and stored in accordance with procedures prescribed in the most recent edition of Standard Methods for the Examination of Water and Wastewater.

  Grab sample means an individual discrete sample collected over a period of time not to exceed 15 minutes.

  Quarter means January through March, April through June, July through September, or October through December.

  Month means calendar week of Sunday through Standard Standard Response a calendar week of Sunday through Standard Re

15. Week means a calendar week of Sunday through Saturday.



#### **Public Notice DRAFT**

#### FACT SHEET

#### NPDES WASTE DISCHARGE PERMIT EVALUATION

5 October 2006

Department of Environmental Quality - Northwest Region 2020 SW 4th Avenue, Portland OR 97201-4987 Telephone: (503) 229-5263

PERMITTEE:

Koppers Industries, Inc.

Northwest Terminal File No. 47430

**SOURCE CONTACT:** 

Name

Phone Number

T. J. Turner

503/286-3681

**REVIEWER:** Elliot Zais, Northwest Region

TO: Neil Mullane, Manager

Water Quality Program, Northwest Region

PROPOSED ACTION: Permit Renewal

**SOURCE CATEGORY:** Coal Tar Products Pitch Terminal

Minor Industrial Source

**PERMIT APPLICATION DATE:** 9 August 2003

**PERMIT APPLICATION NUMBER: 984280** 

**EPA REFERENCE NUMBER:** OR 000077-9

#### **INTRODUCTION**

Koppers Industries, Inc. (Koppers) operates a storage and distribution terminal for pencil pitch, located at 7540 NW St. Helens Road in Portland, Oregon.

Koppers' NPDES permit expired on 31 January 2004.

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#### **FACILITY DESCRIPTION AND UPDATE**

Koppers Northwest Terminal occupies a 2.6 hectare site on the Willamette River at RM 6.5. Much of the site is a tank farm. Coal tar pitch and other related products are shipped into the terminal via railroad tank cars or via bulk cargo ships. These products are either stored or further remanufactured prior to distribution. Outbound shipments are made via tank truck or railroad. The tank farm is split into two sections: the majority of the tanks are located in the main tank containment area, the floor of which is about 1.2 to 1.8 meters below the local ground surface level; a smaller number of tanks are located adjacent to the main tank containment area at ground surface level. These tanks are all provided with containment walls, and all storm drainage goes into the main containment area. Storm drainage from the parking area goes into the main containment area as well.

A boiler to provide steam to tank heaters is located on site outside of the main containment area. Boiler blowdown is discharged to the ground surface and drains to the main containment area. Boiler condensate from the tank heaters also discharges into the main containment area.

Most of the site is paved, including all material loading and unloading areas. Water which contacts the pavement anywhere on site runs to a nearby sump. The sumps contain floats and water pumps. When the water level within the sump reaches a predetermined level, the pump is activated and the water is sent to the main sump located near the water storage tanks. There is an oil-water separator in the main sump. The water in the main sump is pumped into one of six wastewater storage tanks. When a tank becomes full, the water within it is tested as specified in the permit. When the test results are received, the water is released to the Doane Creek and thence to the Willamette River if it meets discharge requirements.

The purpose of this NPDES permit is to prescribe effluent limitations for wastewater discharged into the Willamette River by way of Doane Creek.

#### **UNIQUE OPERATING CONDITIONS AND PROBLEMS**

None.

#### **STORMWATER**

Stormwater is managed under this individual NPDES permit.

#### **OUTFALL**

The outfall is a public storm drainage ditch named Doane Creek which drains to City of Portland Outfall 22C which discharges to the Willamette River.

Facility ID 47430 Koppers Industries, Inc. Evaluation Report Page 3 of 16

#### THREATENED AND ENDANGERED SPECIES REVIEW

The following analysis is taken from the draft Total Maximum Daily Load document for the Lower Willamette Basin.

#### Sensitive Beneficial Use Identification

Oregon Administrative Rules (OAR 340 – 41 – 340, Table 340A) lists the beneficial uses occurring within the Willamette River Basin tributaries and are applicable to streams within the Lower Willamette Subbasin. Resident fish and aquatic life and

salmonid spawning, rearing and migration are the most sensitive temperature-related beneficial uses occurring in the watershed (**Table 3.4**). Beneficial uses highlighted in grey are known or assumed to be occurring. Beneficial uses and the associated water quality standards are generally applicable basin-wide. At a minimum, uses are considered attainable wherever feasible or wherever attained historically. Numeric and narrative water quality standards are designed to protect the most sensitive beneficial uses.

Salmonid fish
rearing and
spawning are the
most
temperaturesensitive
beneficial uses
in the Lower

The distribution of fish in the subbasin varies through the year and temperature impairment is in part a function of fish habitat requirements and usage. In addition to the salmonid timing and use information provided on OAR 340, Division 41, detailed timing and use information is provided for the Columbia Slough, Johnson Creek and Tryon Creek in **Sections 5.3.2 through 5.3.4**, below.

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Table 3.4. Beneficial Uses Occurring in the Willamette River Basin Tributaries (OAR 340 – 41 – 340, Table 340A)

Beneficial Use	Clackamas R.	Molalia R.	Santiam R.	McKenzie R.	Tualatin R.	All Other Tributaries
Public Domestic Water Supply <sup>1</sup>	✓	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>√</b>
Private Domestic Water Supply <sup>1</sup>	<b>✓</b>	<b>√</b>	<b>✓</b>	✓.	<b>✓</b>	<b>✓</b>
Industrial Water Supply	✓	<b>✓</b>	<b>✓</b>	✓	✓	<b>✓</b>
Irrigation	✓	<b>√</b>	<b>✓</b>	✓	✓	<b>✓</b>
Livestock Watering	<b>✓</b>	<b>√</b>	✓	✓	✓	<b>√</b>
Anadromous Fish Passage	<b>✓</b>	✓	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓
Salmonid Fish Rearing	✓	✓	<b>✓</b>	✓	✓	✓
Salmonid Fish Spawning	<b>✓</b>	✓	<b>✓</b>	✓	✓	✓
Resident Fish and Aquatic Life	<b>✓</b>	✓	<b>\</b>	✓	✓	<b>✓</b>
Wildlife and Hunting	✓	✓	✓	✓	<b>✓</b>	✓
Fishing	✓	✓	✓	<b>✓</b>	✓	<b>√</b>
Boating	✓	✓	<b>✓</b>	<b>✓</b>	✓	✓
Water Contact Recreation	✓	✓	<b>✓</b>	✓	<b>✓</b>	<b>√</b>
Aesthetic Quality	✓	· 🗸	<b>√</b>	✓	✓	✓ ,
Hydro Power	<b>✓</b>	✓	✓	✓	✓	✓

<sup>&</sup>lt;sup>1</sup> With adequate pretreatment (filtration and disinfection) and natural quality to meet water quality standards.

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#### POLLUTANTS DISCHARGED AND PROPOSED LIMITS

The runoff discharged from the site is currently regulated for oil and grease, phenols, pH and polynuclear aromatic hydrocarbons (PAHs). In addition, monitoring is required for flow and temperature.

The Koppers facility is located on the former Portland Gas and Coke Company (Gasco) site (35 acres) which was a manufactured gas plant and oil gasification facility from 1913 to 1956. Waste from this manufacturing process was disposed of on site. Northwest Natural is the successor company to Gasco. Siltronic has built a chip fabrication plant on a large portion of the site. In August 1994 Northwest Natural entered into an agreement with the Department to conduct a remedial investigation and feasibility study at the site. Phase I was completed in March 1996. The investigation is still continuing. Hazardous substances associated with the manufacturing gas waste that could be a concern in stormwater include:

- Cyanide
- Priority pollutant metals silver, arsenic, beryllium, cadmium, copper, mercury, nickel, lead, tin, selenium, titanium, and zinc (Ag, As, Be, Cd, Cu, Hg, Ni, Pb, Sb, Se, Ti, and Zn)
- Tars, tar oils and various petroleum distillants
- Polynuclear aromatic hydrocarbons (PAHs)
- Phenols

Individual NPDES permits always include some variant of the following "notwithstanding clause:

Notwithstanding the effluent limitations established by this permit, no wastes shall be discharged and no activities shall be conducted which will violate Water Quality Standards as adopted in OAR 340-41.

If concerns about previously unspecified pollutants come to the Department's attention, the Department can set limits for these pollutants and include them in Schedule A during permit renewal or by modifying the permit. The NPDES permit for Koppers already has effluent limitations and monitoring requirements for PAHs and phenols. For this renewal, we will lower the total PAH limit, add some specific PAH and cyanide limits, and require monitoring for priority pollutant metals for one year. If the results indicate a problem for certain pollutants, then we will set permit limits for those pollutants.

In order to issue a permit, the Department must perform a review per the requirements of OAR 340-041-0004. The Department must determine that the discharge will not cause or contribute to any water quality violations before allowing a new mass load discharge. This is a not a new or increased load, but the review is still useful. Below is a listing of the required findings and considerations, followed by the Department's conclusions:

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#### 340-041-0004 Antidegradation.

(1) Purpose. The purpose of the Antidegradation Policy is to guide decisions that affect water quality such that unnecessary further degradation from new or increased point and nonpoint sources of pollution is prevented, and to protect, maintain, and enhance existing surface water quality to ensure the full protection of all existing beneficial uses. The standards and policies set forth in OAR 340-041-0007 through 340-041-0350 are intended to supplement the Antidegradation Policy.

<u>Conclusion.</u> The NPDES permit for Kopper's discharge is a permit renewal with no increase in discharged load. Permit renewals with the same discharge load as the previous permit are not considered to lower water quality from existing water quality. Thus, the Department finds that the discharge is not subject to an in-depth antidegradation review. (Antidegradation Policy Implementation Internal Management Directive for NPDES Permits and Section 401 Water Quality Certifications, ODEQ March 2001).

(2) Growth Policy. In order to maintain the quality of waters in the State of Oregon, it is the general policy of the Commission to require that growth and development be accommodated by increased efficiency and effectiveness of waste treatment and control such that measurable future discharged waste loads from existing sources do not exceed presently allowed discharged loads except as provided in section (3) through (9) of this rule.

<u>Conclusion.</u> Based on discussions with the Department's Cleanup Program and the use of Table 33A, permit limits for some PAHs have been lowered significantly and a limit has been set for cyanide. This will probably require the facility to install an efficient, effective treatment system, such as a granular activated carbon unit, to meet the limits. See further discussion below under Toxic Substances.

(9)(a)(C) The continuing discharged load will not unacceptably threaten or impair any recognized beneficial uses or adversely affect threatened or endangered species. In making this determination, the Commission or Department may rely upon the presumption that if the numeric criteria established to protect specific uses are met the beneficial uses they were designed to protect are protected. In making this determination the Commission or Department may also evaluate other State and federal agency data that would provide information on potential impacts to beneficial uses for which the numeric criteria have not been set.

<u>Conclusion</u>. Based on the above review under Purpose stating that the load will not be increased and the new effluent limits being set, the Department believes that the continuing load will not unacceptably threaten or impair any recognized beneficial uses. There will be no load increases in this permit renewal.

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(9)(b) The activity, expansion or growth necessitating a new or increased discharge load is consistent with the acknowledged local land use plans as evidenced by a statement of land use compatibility from the appropriate local planning agency.

<u>Conclusion.</u> Koppers has filed a land use compatibility statement with the City of Portland. It has been approved.

(9)(c) Oregon's water quality management policies and programs recognize that Oregon's water bodies have a finite capacity to assimilate waste. Unused assimilative capacity is an exceedingly valuable resource that enhances in-stream values and environmental quality in general. Allocation of any unused assimilative capacity should be based on explicit criteria. In addition to the conditions in subsection (a) of this section, the Commission or Department may consider the following:

#### (A) Environmental Effects Criteria:

(i) Adverse Out-of-Stream Effects. There may be instances where the discharge or limited discharge alternatives may cause greater adverse environmental effects than the increased discharge alternative.

Conclusion. Not applicable to this situation.

(ii) Instream Effects. Total stream loading may be reduced through elimination or reduction of other source discharges or through a reduction in seasonal discharge. A source that replaces other sources, accepts additional waste from less efficient treatment units or systems, or reduces discharge loadings during periods of low stream flow may be permitted an increased discharge load year-round or during seasons of high flow, so long as the loading has no adverse effect on threatened and endangered species;

Conclusion. Not applicable to this situation.

(iii) Beneficial Effects. Land application, upland wetlands application, or other non-discharge alternatives for appropriately treated wastewater may replenish groundwater levels and increase streamflow and assimilative capacity during otherwise low streamflow periods.

Conclusion. Not applicable to this situation.

#### (9)(c)(B) Economic Effects Criteria:

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(i) Value of Assimilative Capacity. The assimilative capacity of Oregon's streams is finite, but the potential uses of this capacity are virtually unlimited. Thus it is important that priority be given to those beneficial uses that promise the greatest return (beneficial use) relative to the unused assimilative capacity that might be utilized. In-stream uses that benefit from reserve assimilative capacity, as well as potential future beneficial use, will be weighed against the economic benefit associated with increased loading.

Conclusion. The assimilative or loading capacity is defined as "the greatest amount of loading that a water body can receive without violating water quality standards." There was one exceedance of the phenol limitation during the last permit cycle. None of the laboratory data submitted with the renewal application suggest that the discharge will use any significant portion of the assimilative capacity of the Willamette River. There will be no increase in assimilative capacity use. The current discharge equals less than 0.006 percent of the Willamette River's flowrate, i.e., about 0.34 cfs vs the 7Q10 flowrate of 5900 cfs. However, there are times when the Koppers discharge constitutes the entire flow in Doane Creek. Therefore, the Department has looked at the effects of the discharge considering Doane Creek as the receiving stream.

(ii) Cost of Treatment Technology. The cost of improved treatment technology, nondischarge, and limited discharge alternatives may be evaluated.

<u>Conclusion</u>. Non-discharge is not a practical alternative to discharge because of the large volumes of water involved. Evaporation of the water would be prohibitively expensive as well as wasting fuel if heating was used to cause evaporation. There is no place where the water could be used for irrigation. Discharge is appropriate, but the new stricter limits must be met.

As with all NPDES permits issued for facilities that propose to discharge wastewater to waters of the state, the proposed draft permit for the Koppers facility was drafted to ensure that all state wide water quality standards contained in OAR 340-041-0007 through 340-041-0053 and all basin-specific water quality standards would be achieved.

Each of the parameters listed is discussed below followed by the conclusions reached during this review.

#### 340-041-0007 Statewide Narrative Criteria

(1) Notwithstanding the water quality standards contained in this Division, the highest and best practicable treatment and/or control of wastes, activities, and flows must in every case be provided so as to maintain dissolved oxygen and overall water quality at the

Facility ID 47430 Koppers Industries, Inc. Evaluation Report Page 9 of 16

highest possible levels and water temperatures, coliform bacteria concentrations, dissolved chemical substances, toxic materials, radioactivity, turbidities, color, odor, and other deleterious factors at the lowest possible levels.

<u>Conclusion.</u> The currently used technology is appropriate to meet the conditions of the previous permit. The water to be discharged is held in tanks to allow settling of any suspended material and is tested before it is allowed to be discharged. In order to meet the new effluent limitations, Koppers will likely need to add a treatment system.

(2) Where a less stringent natural condition of a water of the State exceeds the numeric criteria set out in this Division, the natural condition supersedes the numeric criteria and becomes the standard for that water body. However, there are special restrictions, described in OAR 340-041-0004(9)(a)(C)(iii), that may apply to discharges that affect dissolved oxygen.

<u>Conclusion.</u> Not applicable in this situation. No less stringent natural condition has been identified. Therefore, the established numeric criteria will be used for this site.

#### (11) **Fungi.**

<u>Conclusion</u>. The Koppers facility's discharge is not expected to contain fungi or to promote their growth.

#### (12) Tastes, odors, or toxic or other conditions.

<u>Conclusion</u>. The Koppers facility's discharge is not expected to create tastes or odors or to affect potability of drinking water or palatability of fish or shellfish. However, the Department is concerned that Koppers' discharge may be deleterious to aquatic life. In order to address these concerns, we are adding additional monitoring requirements and permit limits to the permit. The concerns are described below.

This reach of Doane Creek has limited water flow and gradient with a reasonable potential for deposition and accumulation of contaminants present in the Koppers NPDES discharge.

This reach of Doane Creek has been identified by the U.S. Army Corps of Engineers as a potential candidate for habitat restoration for threatened and endangered salmonid recovery.

This reach of Doane Creek is part of the NW Natural Gasco, Siltronic, and Rhone Poulenc cleanup sites and has been determined to be sensitive habitat for the purposes of

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ecological risk assessments that are both pending and in progress. Based on available remedial investigation data from the Siltronic site, Doane Creek, and the Northwest Drainage Pond, DEQ anticipates that remedial measures to protect this sensitive habit will be required for many of the contaminants present in the Koppers' NPDES discharge.

#### (13) Deposits.

<u>Conclusion.</u> Wastewater is held in storage tanks until it is tested before discharge. The residence time allows solids to settle out. The Koppers facility's discharge is not expected to contain material which would cause appreciable deposition in the river. Furthermore, any treatment system capable of meeting the new permit limits will also remove solids very efficiently.

#### (14) and (15) Objectionable conditions and offensive aesthetic conditions.

<u>Conclusion</u>. Based on previous operation or on knowledge of similar facilities, the Koppers facility's discharge is not expected to cause offensive aesthetic conditions.

#### (16) Radioisotopes.

<u>Conclusion.</u> No radioactive materials are used in the facility's processes. The Koppers facility's discharge is not expected to contain radioisotopes.

### 340-041-0009

#### Bacteria

<u>Conclusion</u>. There is no sewage connected with this discharge. The portion of the Koppers facility's discharge involving boiler blowdown is not expected to contain bacteria. However, because the runoff water is exposed to the elements, it may contain bacteria from animal droppings. The general stormwater permit does not have limitations on bacteria for facilities such as Koppers. See further discussion below in the Water Quality Limited Waters section.

#### 340-041-0016

#### **Dissolved Oxygen**

(1) Dissolved oxygen (DO): No wastes may be discharged and no activities must be conducted that either alone or in combination with other wastes or activities will cause violation of the following standards: The changes adopted by the Commission on January 11, 1996, become effective July 1, 1996. Until that time, the requirements of this rule that were in effect on January 10, 1996, apply:

Facility ID 47430 Koppers Industries, Inc. Evaluation Report Page 11 of 16

- (a) For water bodies identified as active spawning areas in the places and times indicated on the following Tables and Figures set out in OAR 340-041-0101 to OAR 340-041-0340: Tables 101B, 121B, 180B, 201B and 260B, and Figures 130B, 151B, 160B, 170B, 220B, 230B, 271B, 286B, 300B, 310B, 320B, and 340B, (as well as any active spawning area used by resident trout species), the following criteria apply during the applicable spawning through fry emergence periods set forth in the tables and figures:
- (A) The dissolved oxygen may not be less than 11.0 mg/l. However, if the minimum intergravel dissolved oxygen, measured as a spatial median, is 8.0 mg/l or greater, then the DO criterion is 9.0 mg/l;
- (B) Where conditions of barometric pressure, altitude, and temperature preclude attainment of the 11.0 mg/l or 9.0 mg/l criteria, dissolved oxygen levels must not be less than 95 percent of saturation;
- (C) The spatial median intergravel dissolved oxygen concentration must not fall below 8.0 mg/l.
- (b) For water bodies identified by the Department as providing cold-water aquatic life, the dissolved oxygen may not be less than 8.0 mg/l as an absolute minimum. Where conditions of barometric pressure, altitude, and temperature preclude attainment of the 8.0 mg/l, dissolved oxygen may not be less than 90 percent of saturation. At the discretion of the Department, when the Department determines that adequate information exists, the dissolved oxygen may not fall below 8.0 mg/l as a 30-day mean minimum, 6.5 mg/l as a seven-day minimum mean, and may not fall below 6.0 mg/l as an absolute minimum (Table 21);
- (c) For water bodies identified by the Department as providing cool-water aquatic life, the dissolved oxygen may not be less than 6.5 mg/l as an absolute minimum. At the discretion of the Department, when the Department determines that adequate information exists, the dissolved oxygen may not fall below 6.5 mg/l as a 30-day mean minimum, 5.0 mg/l as a seven-day minimum mean, and may not fall below 4.0 mg/l as an absolute minimum (Table 21);
- (d) For water bodies identified by the Department as providing warm-water aquatic life, the dissolved oxygen may not be less than 5.5 mg/l as an absolute minimum. At the discretion of the Department, when the Department determines that adequate information exists, the dissolved oxygen may not fall below 5.5 mg/l as a 30-day mean minimum, and may not fall below 4.0 mg/l as an absolute minimum (Table 21);
- (e) For estuarine water, the dissolved oxygen concentrations may not be less than 6.5 mg/l (for coastal water bodies);
- (f) For ocean waters, no measurable reduction in dissolved oxygen concentration may be allowed.

Conclusion. The applicant provided two extensive chemical analyses of their wastewater. The two analyses showed non-detect for BOD<sub>5</sub> at a detection limit of 5 mg/L. I spoke with personnel at the lab which did the analyses and found that the actual estimated BOD5 was 4.58 mg/L. This is a low concentration of BOD<sub>5</sub>. It does not need to be regulated. There are no EPA effluent limit guidelines which cover the operations at Koppers. The only ELGs which are somewhat relevant are for pitch tar residues. The daily maximum and

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monthly average maximum for BOD<sub>5</sub> for pitch tar residues in wastewater are 80 mg/L and 30 mg/L, respectively. There have not been any BOD<sub>5</sub> analyses performed on discharges from Northwest Natural Gas. Based on the pollutants in the Koppers facility's wastewater, this discharge will not have a substantive BOD load.

#### 340-041-0021

#### pН

- (1) Unless otherwise specified in OAR 340-041-0101 through 340-041-0350, pH values (Hydrogen ion concentrations) may not fall outside the following ranges:
- (a) Marine waters: 7.0 8.5;
- (b) Estuarine and fresh waters: 6.5 8.5.
- (2) Waters impounded by dams existing on January 1, 1996, which have pHs that exceed the criteria are not in violation of the standard, if the Department determines that the exceedance would not occur without the impoundment and that all practicable measures have been taken to bring the pH in the impounded waters into compliance with the criteria.

#### Willamette Basin

- (1) pH (hydrogen ion concentration). pH values may not fall outside the following ranges:
- (a) All basin waters (except main stem Columbia River and Cascade lakes): 6.5 to 8.5;

Conclusion. The DMR data from 2000 through 2003 showed a pH minimum of 6.0 with a maximum of 8.6. The average of daily average readings was 6.9. Only three values were between 6.0 and 6.5 and only one was over 8.5. The runoff water is not expected to have a pH outside the range 6.5 -8.5.

### 340-041-0028

#### **Temperature**

- (4) Biologically Based Numeric Criteria. Unless superseded by the natural conditions criteria described in section (8) of this rule, or by subsequently adopted site-specific criteria approved by EPA, the temperature criteria for State waters supporting salmonid fishes are as follows:
- (d) The seven-day average maximum temperature of a stream identified as having a migration corridor use...may not exceed 20.0 degrees Celsius (68.0 degrees Fahrenheit).
- (8) Natural Conditions Criteria. Where the department determines that the natural thermal potential of all or a portion of a water body exceeds the biologically-based criteria in section (4) of this rule, the natural thermal potential temperatures supersede the biologically-based criteria, and are deemed to be the applicable temperature criteria for that water body.

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Conclusion. The discharge from Koppers is so small that no temperature wasteload allocation is planned for it in the Willamette River TMDL. The facility will be required to monitor for temperature. The average temperature reported on DMRs from 2000 through 2005 was 12.7 °C. There were four instances of temperatures over 20 °C. The maximum temperature was 23.9 °C. There is no reason to retain the previous high temperature limitation. The temperature effluent limitation will be lowered from 43.3 °C to 25 °C. We conclude that there is no reasonable potential for the facility to violate the temperature standard.

#### 340-041-0031

#### Total Dissolved Gas.

(1) Waters will be free from dissolved gases, such as carbon dioxide hydrogen sulfide, or other gases, in sufficient quantities to cause objectionable odors or to be deleterious to fish or other aquatic life, navigation, recreation, or other reasonable uses made of such water

Conclusion. Water cascading over dams commonly entrains air to a supersaturated level. Elevated TDG can cause gas bubble disease in aquatic organisms. There is no gas used or generated at this facility. Therefore, the Koppers facility's discharge is not expected to cause increases of dissolved gases in sufficient quantities to cause objectionable odors or to be deleterious to fish or other aquatic life, navigation, recreation, or other reasonable uses made of the receiving water.

#### 340-041-0032

#### **Total Dissolved Solids**

The concentrations listed below may not be exceeded unless otherwise specifically authorized by DEQ upon such conditions as it may deem necessary: All Fresh Water Streams and Tributaries - 100 mg/L.

Willamette Basin. 340-041-0345 (2) Total Dissolved Solids. Guide concentrations listed may not be exceeded unless otherwise specifically authorized by DEQ upon such conditions as it may deem necessary to carry out the general intent of this plan and to protect the beneficial uses set forth in OAR 340-041-0340: Willamette River and Tributaries —100.0 mg/l.

<u>Conclusion.</u> Koppers has the following wastewater streams: stormwater, boiler blowdown, and boiler condensate.

The tank farm is split into two sections: the majority of the tanks are located in the main tank containment area. All storm drainage from the tank farm goes into the main containment area. Storm drainage from the parking area goes into the main containment area as well. The Department has never considered TDS to be a parameter of concern for stormwater.

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Boiler blowdown is discharged to the ground surface and drains to the main containment area. Boiler condensate from the tank heaters also discharges into the main containment area. The Department has never considered TDS to be a parameter of concern for boiler blowdown or condensate.

Coal tar pitch has negligible solubility according to the Cornell University Material Safety Data Sheet for coal tar pitch. The Koppers facility's effluent is not expected to contain significant amounts of dissolved solids.

#### 340-041-0033 Toxic Substances

- (1) Toxic substances may not be introduced above natural background levels in the waters of the State in amounts, concentrations, or combinations that may be harmful, may chemically change to harmful forms in the environment, or may accumulate in sediments or bioaccumulate in aquatic life or wildlife to levels that adversely affect public health, safety or welfare, aquatic life, wildlife, or other designated beneficial uses;
- (2) Levels of toxic substances may not exceed the criteria listed in Table 20 which were based on criteria established by EPA and published in *Quality Criteria for Water* (1986), unless otherwise noted

Many toxic substances have limits set in OAR 340-041-Table 20. When appropriate, these limits are explicitly stated in NPDES permits. Some toxics are explicitly dealt with in promulgated TMDLs. See discussion below.

Conclusion. Based on discussions with the Department's Cleanup Program, additional limits and monitoring requirements are being included for one year for all of the pollutants mentioned on page 5. The results of this monitoring will be used to determine whether Koppers's wastewater requires further treatment before discharge or whether additional effluent limitations need to be established.

The permit limit for PAH has been  $1000 \mu g/L$  for total PAHs. The limit was set in 1992 based on previous PAH analyses and has not been reviewed until this renewal. Over the last six years the maximum PAH concentration was  $194 \mu g/L$  with an average of  $61.4 \mu g/L$ . For this renewal the total PAH limit will be lowered to  $250 \mu g/L$  because there is no need to have the large margin provided by the  $1000 \mu g/L$  limit. Human health limits from OAR 340-41-Table 33A will be set for benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and dibenzo(ah)anthracene. The

Facility ID 47430 Koppers Industries, Inc. Evaluation Report Page 15 of 16

limits were calculated using the Department's RPA spreadsheet and using the human health limits for fish ingestion.

The permit will require monthly monitoring for priority pollutant metals for one year.

#### 340-041-0036 Turbidity

Turbidity (Nephelometric Turbidity Units, NTU): No more than a ten percent cumulative increase in natural stream turbidities shall be allowed, as measured relative to a control point immediately upstream of the turbidity causing activity.

<u>Conclusion.</u> Wastewater generally settles in tanks for several days before it is discharged. All of the pollutants that have been sampled for are either present in low concentrations or are not detected. We have not received reports of visible plumes from the facility. Based on these considerations, the discharge from the Koppers facility is not expected to affect instream turbidity.

#### 340-041-0046

#### **Water Quality Limited Waters**

(5) For water bodies designated as water quality limited under OAR 340-041-0002(67) (a) or (b), requests for load increases may be considered using the process set out in OAR 340-041-0004(9)(a).

Conclusion: The Willamette River is water quality limited for the following parameters:

	Maximum reported at facility	Fresh chronic WQ standards
Fecal Coliform	490 cfu/100 mL	
Dieldrin	ND >4 μg/L	0.0019 µg/L
DDT	ND >8 µg/L	0.001 µg/L
DDT Metabolite (DDE)	ND >0.004 mg/L	
Polynuclear Aromatic Hydrocarbons	i 194 μg/L	
Biological Criteria		
Mercury	1.1 μg/L	0.012 μg/L
Aldrin	ND >0.004 mg/L	
Temperature	23.9 °C	
PCB	ND >0.0028 mg/L	
Manganese	ND >0.004 mg/L	
Iron	1.5 mg/L	1 mg/L
Pentachlorophenol	ND >25 μg/L	13 μg/L at pH 7.8

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The detection limits for the pesticides and pentachlorophenol were too high to be sure that they are not present. However, they are not used on site. One fecal coliform sample was somewhat high, but there is no direct correlation between FC and e. coli. We can only say that the e. coli concentration should be less than the fecal coliform. The 1200-Z general stormwater permit has a benchmark of 406 counts/100 mL for e. coli for landfills, if septage and sewage biosolids are disposed at the site, and sewage treatment plants. This facility does not fit any of these categories. Furthermore, as stated above there is no human sewage associated with this discharge. The facility is not a significant contributor of iron. This discharge is not expected to cause or contribute to any exceedances of the above pollutants in the receiving stream by a measurable amount. The permit has effluent limits for pH, PAH, temperature, oil and grease, and phenols.

#### 340-041-0344

#### Approved TMDLs in the Basin:

The following TMDL for the Willamette River has been approved by EPA: dioxin, bacteria, mercury, and temperature.

The concentration limit for dioxin is set at 13 femtograms/liter.

Koppers discharge is not expected to cause or contribute to exceedances of any of the TMDL parameters. Koppers has no individual WLAs.

#### 340-041-0053 Mixing Zones

(1) The Department may allow a designated portion of a receiving water to serve as a zone of dilution for wastewaters and receiving waters to mix thoroughly and this zone will be defined as a mixing zone;

<u>Conclusion</u>. This permit is establishing several new effluent limits. The nature of the discharge pipe to the Willamette does not cause much mixing of the effluent with the river. Therefore, the mixing zone will be removed from the permit and all limits will be met at the end of the pipe where Koppers has been taking compliance samples.

#### **COMPLIANCE HISTORY**

Notices of Noncompliance were issued in March 1997 and May 2000 for phenol exceedances.

#### PROPOSED PERMIT

The proposed renewal permit is attached.

February 5, 2003

Mr. Amos Kamerer Koppers, Industries 7540 NW St. Helens Rd. Portland, Oregon 97210

RE: Discontinuance of Industrial Wastewater Discharge Permit #314.001

Dear Mr. Kamerer.

During the yearly inspection, it was determined that your facility no longer manufactures products but is mainly a distribution facility. Therefore, your company is no longer subject to federal categorical limitations and a wastewater discharge permit is no longer required. This letter authorizes discontinuance of Industrial Wastewater Discharge Permit #314.001.

Koppers Industries now falls into the non-permitted classification. You still will be required to comply with City Code 17.34, Portland's Industrial Wastewater Discharge Ordinance, including the general discharge prohibitions (17.34.030) and to notify the City if the characteristics or volume of your wastewater discharge changes significantly.

If you have any questions or comments, please contact me at 503-823-7230 (telephone) or 503-823-5559 (fax).

Respectfully,

Ann O'Roke

Source Control

cc: Miguel Santana/BES

Industry file

cc' T. Self B. BAUMAN

June 17, 2004

JUN 2 1 2004

Amos Kamerer Koppers Industries 7540 NW St Helens Rd Portland OR 97210

Re: Industrial Wastewater Discharge Permit Modification

The Oregon Department of Environmental Quality (DEQ) conducted its annual Pretreatment Compliance Inspection (PCI) on the City of Portland's Pretreatment Program during the week of April 19-22, 2004. As a result of the inspection, DEQ required and recommended several actions. One of the requirements was for the City to "Modify the permits to include specific permit language defining the federal pretreatment General Prohibitions."

In response to this requirement, the City has modified its Industrial Wastewater Discharge Permits. Enclosed you will find a copy of Schedule F, which lists the General Prohibitions applicable to all permitted industries. Please attach the enclosed information to your existing Industrial Discharge Permit.

Should you have any questions, please feel free to contact me at 503-823-7468 or contact your Permit Manager.

Sincerely,

Miguel A. Santana Environmental Manager

M a sout

## Schedule F GENERAL DISCHARGE PROHIBITIONS

Expiration Date Permit Number: Page:

F1

## Schedule F GENERAL DISCHARGE PROHIBITIONS

The permittee shall not discharge, cause to discharge or allow to discharge directly or indirectly into the City sewer system any of the following:

- 1. Wastewater containing substances in such concentrations that they inhibit or interfere with the operation or performance of the sewer system, or that are not amenable to treatment or reduction by the sewage treatment process employed, or are only partially amenable to treatment such that the sewage treatment plant effluent cannot meet the requirements of any agency having jurisdiction over its discharge to the receiving waters, or that prevent or impair the use or disposal of sewage treatment plant sludge and sludge products in accordance with applicable State and federal regulations;
- 2. Any liquids, solids, or gases which by reason of their nature or quantity are, or may be, sufficient either alone or by interaction to cause fire or explosion or be injurious in any other way to the operation of the sewer system, or wastestreams with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Celsius (using test methods prescribed at 40 CFR 261.21), or discharges which cause the atmosphere in any portion of the sewer system to reach a concentration of 10% or more of the Lower Explosive Limit (LEL).
- 3. Any solid or viscous substances capable of obstructing wastewater which will or may cause obstruction to the flow of wastewater or other interference with the operation of the sewer system;
- **4.** Any noxious, malodorous or toxic liquids gases, vapors or fumes, solids, or other substances which, either singly or by interaction with other wastes, may cause acute or chronic worker health and safety problems, a public nuisance, a hazard or interference with any part of the sewer system;
- 5. Any industrial wastewater containing a hazardous or toxic substance which, either singly or by interaction with other substances, injures or interferes with the sewer system or constitutes a hazard to humans or animals, or creates a hazard in, or adversely affects the receiving waters, or results in such substances being discharged in combined sewer overflows or sewage treatment plant effluent in any concentrations in excess of limitations imposed by any permit, law or regulation;
- 6. Any wastes, wastewaters or substances having a pH less than 5.0 or more than 11.5, or capable of causing damage or hazard to structures, equipment, processes or personnel of the sewer system, unless these limits are modified by permit.
- 7. Any liquid or vapor having a temperature higher than 65 degrees Celsius (149 degrees Fahrenheit) or containing heat in amounts which will inhibit biological activity, or result in interference at the treatment plant. In no case shall a discharge to the sewer system contain heat in such quantities that the temperature of the treatment plant influent exceeds 27 degrees Celsius (80 degrees Fahrenheit);
- 8. Any material trucked or hauled from a cesspool, holding or septic tank or any other nondomestic source, except such material received at designated locations under City contract or permit in accordance with any other applicable requirements of the City Code 17.34 or rules adopted hereunder;
- 9. Any substance which may solidify or become discernibly viscous at temperatures above 0 degrees Celsius or 32 degrees Fahrenheit;

## Schedule F GENERAL DISCHARGE PROHIBITIONS

Expiration Date Permit Number: Page:

F2

- 10. Any material that has not been properly comminuted to 0.65 centimeters (1/4 inch) or less in any dimension;
- 11. Any slugload, as defined in City Code 17.34 or rules adopted hereunder;
- 12. Any substances with excessive color, as determined by the Director of Environmental Services, which are not removed in the treatment process;
- 13. Any batch discharges without written permission from the Director of Environmental Services. Batch discharges shall comply with all other requirements of City Code 17.34 and rules adopted hereunder;
- 14. Any concentrations of inert suspended or settleable solids which may interfere with the operation of the sewer system;
- 15. Any concentrations of dissolved solids which may interfere with the operation of the sewer system;
- 16. Any radioactive material, except in compliance with a current permit issued by the Oregon State Health Division or other state or federal agency having jurisdiction;
- 17. Any substance which may cause sewer system effluent or treatment residues, sludges, or scums, to be unsuitable for reclamation and reuse or which interferes with the reclamation process. (In no case, shall a substance discharged to the sewer system cause the City to be in noncompliance with sludge use or disposal criteria, guidelines or regulations developed under the Clean Water Act; any criteria, guidelines or regulations affecting sludge use or disposal developed pursuant to the Solid Waste Disposal Act (42 USC 6901), the Clean Air Act (42 USC 1857), the Toxic Substances Control Act (15 USC 2601), or any other federal or State statutes, regulations or standards applicable to the sludge management method being used, or any amendments thereto.)
- 18. Petroleum oil, nonbiodegradeable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through.
- 19. Noncontact cooling water (except that noncontact cooling water may be discharged to the separate storm sewer system upon approval by the Director of Environmental Services);
- 20. Any substance that causes the City to violate the terms of its NPDES permit;





(503) 823-5600	
•	
INDUSTRIAL USER INSPECTION	<b>FORM</b>

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□ Oil & Wat	er Separator			12.61	
□ pH adjustr	nent				
□ Other	*************************			<u> </u>	
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#### Industrial Source Control Division Statement of Non-Discharge

Company Name:	Koppers Industries, Inc.	<u> </u>
Facility Address:	7540 NW St. Helen's Rd	
	Portland, OR 97210	<u> </u>
Telephone Number:	503-286-3681	
•		<del></del>
I certify under penalty of law	that for the year: 2002	
	RICAL PROCESS WASTEWATER was disc ewerage system.	harged to the City
☐ Yes □	No Non-Categorical Process Wastewater the City of Portland's sewerage system	_
	ative methods of eliminating all wastewater ses in compliance with all applicable City, State	
wastewater or non-categor	g this statement I am certifying that, as of this ical process wastewater is discharged to the City ant penalties for submitting false information, in knowing violations.	s sewer system. I am
Authorized Official Signatur	e: <i>M</i>	
Title:	Plant MANA	5 er
Date:	1/24/03	

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July 24, 2002

Amos S. Kamerer KOPPERS INDUSTRIES 7540 NW St. Helens Rd. Portland OR 97210

Re: Metals Screening

The City of Portland, Bureau of Environmental Services is in the process of evaluating local limits to ensure adequate protection of the treatment works, collection system, water quality and biosolids quality. A local limit evaluation is required at least once during the five-year term of the City's NPDES permit.

Local limits address the specific needs and concerns of a sewage treatment system and its receiving waters. They are developed for pollutants that may cause interference, pass-through, biosolids contamination, and/or worker health and safety problems if discharged in excess of the receiving sewage treatment plant's capabilities and/or receiving water quality standards. Typically, local limits are developed to regulate the discharge from all industries discharging to the sewer and are usually imposed at the connection to the City sewer.

As a part of this year's local limit evaluation, the City plans to conduct a metals screening for all applicable industrial dischargers. The metals screening will involve the City collecting a wastewater sample upstream of the industry's treatment system while simultaneously collecting a sample at the point-of-compliance. The screening will assist the City in accurately assessing the potential pollutants from industrial discharges prior to treatment. In addition, the simultaneous sampling will aid in evaluating the treatment system removal efficiency.

All wastewater samples collected upstream of the point-of-compliance are for evaluation purposes only and will not be associated with compliance or enforcement.

The specific sample location will vary from industry to industry, so your Permit Manager will be contacting you to discuss the details of the raw wastewater screening at your site.

If you have any questions regarding the local limit evaluation please contact me at 503-823-7568.

Thank you, in advance, for your cooperation as we evaluate our local limits.

Sincerely,

Miguel A. Santana

M a fact

Environmental Services Supervisor

RECEIVED

JUL 26 2002

KUTTERS INDS ANC.





8:30 Am

***************************************	540 N.W. St	Helen's Rd	Portland, OR 972	
INSPECTION TYPE:  DESCRIBE THE PROCES		ajor   Pre-perm  (S) INSPECTED:	itting D Other:	
				*************
PRETREATMENT SYSTE	M: CONDITION	& OPERATION needs improvement	COMMENTS	•••••
Clarifier				
Oil & Water Separator	0		rch: Under : NPI	DEK
pH adjustment				
Other				
POINT(S) OF COMPLIAN	CE:			
LOCATION/CODE		& OPERATION	COMMENTS	
Carlo II Marana	good	needs improvement	De produktion of the state of t	Salat Salat
1. N/P(				
3.	7/03 <b>D</b>			- X - X
	/	<u>~</u>		Ž,
	ASPP	FACT SHEE		
REVIEW:	CALIBRATION LO	G PERMIT	OTHER:	
SLUDGE DISPOSAL:				
PROCESS /	А НА	ULER	DESTINATION	
1. HO THOUS	es story,			
A 7 1. 77 (2007) 0.1 (A) 246 (Massaco) 1997 A 545 (1997)	Satten	-CHan /Clou	4 HAIBURD	
2. Hz/10 huz			***************************************	
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FOLLOW UP ACTION(S):	NOTES: PD		DUE DATE(S)	
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FOLLOW UP ACTION(S):  1. SUDWIT UP  2.  3.	NOTES: PD		JUNY 151 2003	
Updating AS  FOLLOW, UP ACTION(S):  1. SUDMIT UPO 2.	ALC ASPE	DATE DATE	JUNY 151 2002 3/21/02/	REV

Cc: TRAci Self, K-1800

# KOPPERS INDUSTRIES

FAX TRANSMITTAL

7540 N.W. Saint Helens Rd. Portland, Oregon 97210-3663 Phone: (503) 286-3681 Fax: (503) 285-2831 Web Page: www.koppers.com

TO: T. Self, M. Colley	DATE: 2/16/01
FROM: Amos	TOTAL # OF PAGES: -3
The ATTACHER From YESTE	Low Annal
inspection from the Cos	

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831



#### Industrial Source Control Division Statement of Non-Discharge

Company Name:	Koppers Industries, Inc.
Facility Address:	7540 NW St. Helen's Rd
_	Portland, OR 97210
Telephone Number:	503-286-3681
I certify under penalty of law that	at for the year: 2001
NO CATEGORIC of Portland's sew	CAL PROCESS WASTEWATER was discharged to the City erage system.
☐ Yes ☐ No	Non-Categorical Process Wastewater was discharged to the City of Portland's sewerage system. (Please mark one).
	e methods of eliminating all wastewater generated from my in compliance with all applicable City, State and Federal laws and
wastewater or non-categorical	process wastewater is discharged to the City's sewer system. I am penalties for submitting false information, including the possibility owing violations.
Authorized Official Signature:	A.S. Francier
Title:	Plant MANAgea  Felmerary 15, 2001
Date:	Februsky 15, 2001



## ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

	IN	,	ISER INSPEC		
INDUSTRY	NAME:			RIES, INC.	_
SITE ADDI	RESS:	7540 Nu	1 St, Helen's	Rd Portland, OR	97210
INSPECTIO	ON TYPE:	Minor 🔀 N	fajor 🗆 Pre-pe	ermitting   Other:	***************************************
DESCRIBE	THE PROCESS	S(ES)/OPERATIO	N(S) INSPECTED:		
51ea £10+	m Boiler Oiltank	Jonk Fari		amp, Sw stova	ting Tauk,
PRETREAT	rment syste	M: CONDITIO	N & OPERATION needs improvement	COMME	NTS
☐ Clarifier					
	ater Separator	_		$\Lambda$	•
□ pH adju	_	_		/\/ / / \	
□ Other	***************************************				
POINT(S)	F COMPLIAN	CE:			
LOCA	TION/CODE		N & OPERATION	СОММЕ	NTS
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3.	/				
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	INSPECTION N	OTES:			
FOLLOW-U	JP ACTION(S):			DUE DAT	E(S)
2.					
ECTOR(S):	DERIK	VOWELS		TE: 2/15/01	REVIEWED B'
-	JOHN 1	TOUTKOR	<del>_</del>	TE:	Industrial Pretreatment Su
7.0000 3.7					<ul> <li>** 10 00000 200000 000 000 87 2 100 100 100 100</li> </ul>
ISTRY:	<u> </u>	MAMPREL	(print)	TE: 2/15/01	CITY USE ONI

March 30, 2000

Amos Kamerer Koppers Industries 7540 NW St. Helens Hwy. Portland, OR 97210

RE: Facility Inspection of March 8, 2000.

Dear Mr. Kamerer:

Thank you for your time and cooperation during the recent inspection of your facility. It was apparent from the inspection that Koppers is in compliance with the conditions of its NPDES permit. The City of Portland appreciates your efforts to minimize stormwater pollution.

As was mentioned during the inspection, it is recommended that improved spill containment measures be implemented at the lube and fuel storage area that would prevent any spilled materials from entering the nearby stormwater lift station.

If you have any questions regarding this letter you can call me at 823-7885.

Sincerely

John Holtrop

**Industrial Stormwater Section** 

CC; J. Dietz, K-1650

T. Self, K-1800

M. Cilley, Stickney

Mark, did you find Any info
on the containment pollets of

Amos

## RECEIVED

APR 0 5 2000

KOPPERS INDS, INC. PORTLAND OR

#### CITY OF PORTLAND - INDUSTRIAL SOURCE CONTROL DIVISION INDUSTRY FACT SHEET - INDUSTRIAL USER INFORMATION

Company Name:

Kopper's Industries, Inc.

**Nature of Business** 

Blending and melting of coal tar pitch

Site Address:

7540 NW St. Helen's Rd.

Portland, OR 97210

Mailing Address:

7540 NW Saint Helens Road

Portland, OR 97210

Signatory Auth.:

Amos Kamerer

Alternate Contact: T.J. Turner

Plant Mgr.

General Foreman

Telephone #:

(503) 286 - 3681

Telephone #:

(503) 286-3681

Facsimile #:

(503) 285 - 2831

Facsimile #:

(503) 285-2831

Permit #:

#314 - 001

SIC Code:

2865

Permit Manager:

Colleen F.G. Harold

Prev. Permit Mgr.:

Stephen Rosenberger

Christina Anderson

**Expiration Date:** 

10/1/1999

Last Permit Rev.:

Water Account #:

#4640172034 M 0178

Water Usage (GPD):

7,650 gpd

Discharge (GPD):

315 gpd

# of employees:

11

Hours of Prod.:

24 hr. 4-5 days / week

# of Shifts:

3 shifts

Total Area:

6.4 Acres

Area to Storm

5.8 Acres

Storm. Permit #:

# 47,430

Permit Manager:

John Holtrop

Main Pump Station

Other Environmental

NPDES #101003

Permits:

**DEQ Air Permit** 

**USEPA Category:** 

US EPA Category - 414.7 (Organic Chemicals, plastics, and synthetic fibers.)

**CoP Classification:** 

P-4, Categorical IU Non-Discharger (300 Series Permit)

Point of Compliance:

End-of-process

**Emergency Contact** 

Amos Kamerer

After Hours phone home) (503) 246-8045

Safety

T.J. Turner

After Hours phone (home) (360) 896-5139

Considerations:

Metatarsal and steel Toed Boots, Hard Hats, Safety Glasses

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Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

#### Industrial Source Control Division Statement of Non-Discharge

Company Name:	KOPPERS INDUSTRIES INC.
Facility Address:	7540 NW. ST HELENS Rd. PORTLAND, OR. 97210
Telephone Number:	(503)
I certify under penalty of law	that for the year: 2000
NO CATEGOR of Portland's se	RICAL PROCESS WASTEWATER was discharged to the City werage system.
□ Yes □ N	Non-Categorical Process Wastewater was discharged to the City of Portland's sewerage system. (Please mark one).
	tive methods of eliminating all wastewater generated from my es in compliance with all applicable City, State and Federal laws and
wastewater or non-categoric	this statement I am certifying that, as of this date, only domestic cal process wastewater is discharged to the City's sewer system. I am at penalties for submitting false information, including the possibility knowing violations.
Authorized Official Signature	A Standard
Title:	Plant MANAger
Date:	3/8/00

### CITY OF PORTLAND - INDUSTRIAL SOURCE CONTROL DIVISION INDUSTRY FACT SHEET - INDUSTRIAL USER INFORMATION

Company Name:

Kopper's Industries, Inc.

**Nature of Business** 

Blending and melting of Tar Pitch.

Site Address:

7540 NW St. Helen's Rd.

Mailing Address:

William E. Swearingen

Portland, OR 97210

436 Seventh Ave.

Pittsburgh, PA 15219-1800

Signatory Auth.:

Amos Kamerer

**Alternate Contact:** 

William E Swearingen

Plant Mgr.

Telephone #:

(503) 286 - 3681

Telephone #:

(412) 227 - 2883

Facsimile #:

(503) 285 - 2831

Facsimile #:

(412) 227 - 2423

Permit #:

#314 - 001

SIC Code:

2865

Permit Manager:

Colleen F.G. Harold

Prev. Permit Mgr.:

Stephen Rosenberger Christina Anderson

**Expiration Date:** 

10/1/1999

Last Permit Rev.:

Water Account #:

#4640172034 M 0178

Water Usage (GPD):

7,650 gpd

Discharge (GPD):

315 gpd

# of employees:

10

**Hours of Prod.:** 

24 hr. 4-5 days / week

# of Shifts:

3 shifts

Total Area:

6.4 Acres

Area to Storm

5.8 Acres

Storm. Permit #:

# 47,430

Permit Manager:

John Holtrop

Main Pump Station

Other Environmental

NPDES #101003

Permits:

**DEQ Air Permit** 

**USEPA Category:** 

US EPA Category - 414.7 (Organic Chemicals, plastics, and synthetic fibers.)

**CoP Classification:** 

P-4, Categorical IU Non-Discharger (300 Series Permit)

Point of Compliance:

End-of-process

**Emergency Contact** 

Amos Kamerer

After Hours phone

(503) 286 - 3681

Safety

Steel Toed Boats, Hard Hat, Safety Glasses

Considerations:

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#### Resources used to prepare the Fact Sheet. Check all that apply

Previous Permit	<b>✓</b>	Monitoring Data	✓
Permit Application	✓	MSDS Information	<b>✓</b>
Survey I	<b>√</b>	Fire Marshall Report	<b>√</b>
Survey II		Site History	✓
Site Inspection	<b>√</b>	Corporate Report	
Compliance History	<b>✓</b>	Similar Operations	<b>✓</b>

#### 1. BUSINESS DESCRIPTION:

Kopper's and Pacific Northern Oil are tenants of NW Natural Gas. Kopper's was started in 1965 and NW Natural Gas has been on the site since 1912.

Kopper's Industries Inc. is a terminal facility for coal tar based products liquid pitch, creosote distillates and refined coal tars. They no longer handle pencil pitch, creosote or coal tar. Kopper's Industries, Inc. performs blending and melting of Coal products including Tar Pitch. They take in raw materials melt, blend and ship product. No water is used in their process and no wastewater is generated. They distribute 1,500 tons a week of product by rail and truck. The product is used in cosmetics and four aluminum smelters.

They have completed adding a new dock, pipeline and large storage tank for liquid pitch (1998-1999). The storage tank had to comply with UBC Earthquake Standards so the addition of a second tank is delayed due to monetary constraints. The line travels the footbridge at an 8-inch diameter and once it clears the bridge and a pump it expands to a 10-inch diameter. The product is unloaded at 400 F<sup>0</sup> through the transmission line, which has built in expansion, loops to accommodate the cooling and heating of the product (It expands as a liquid). Kopper's expects to be handling two million gallons (10,000 short tons) of liquid material by 2002. Currently, the new line is able to unload approximately 87 metric tons of pitch with-in 21.5 hours. Which is 405 metric tons per hour.

Kopper's Industries, Inc is a categorical IU, per 40 CFR 414.7(Organic chemicals, plastics, and synthetic fibers). Because they are non-discharging, they are given a 300 series permit.

#### 2. DESCRIPTION OF PROCESSES GENERATING WASTEWATER:

**Stormwater:** They have an NPDES Permit for storm water runoff and boiler blown down discharge to the river. The tank farm consists of 3 tanks with hot oil, 2 with Pitch and 3 tanks for storm water collection. All storm water goes to the tank farm and through the oil water separator.

#### 2a POTENTIAL TO DISCHARGE (For Non-Dischargers)

In the event of not being able to meet the NPDES Permit requirements they might be forced to release directly to the City of Portland's sanitary sewer. The product becomes a solid at ambient temperatures so, if a spill should occur it would propose no threat to the surroundings. If there should be a spill of the oil used in the product the area is bermed for 110 % of the holding tanks.

Domestic Sanitary Wastewater NPDES Permit. – Storm Water & Boiler Blow Down

#### 3. RAW WASTEWATER DESCRIPTION:

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This facility does not produce process wastewater. Stormwater is discharged through a regulated outfall into the Willamette River in compliance with their NPDES permit. Only sanitary waste is discharged to the city sewer.

#### 4. PRETREATMENT

No wastewater is produced in their process. They do have an Oil /  $H_2O$  separator in their storm water discharge system.

5. PRETREATMENT SYSTEM DIAGRAM:

None

6. ANALYSIS OF DISCHARGE DATA:

No Data Available

Pollutants of Concern # Violations/#Sp		Company Data			
		Avg. For Period 01/92-11/96	Maximum Value	Local Limit (Flow Weighted Average Adjusted 1992 Data)	Pollutant Level of Concern
Arsenic	0/0				
Cadmium	0/0			,	
Chromium	0/0				
Copper	0/0				
Lead	0/0				
Molybdenum	0/0			_	
Nickel	0/0				
Selenium	0/0				
Silver	0/0				
Zinc	0/0				
Cyanide-T	0/0				
Oil/Grease (NP)	0/0				
рН	0/0				
TSS	0/0				

#### 7. POLLUTANTS OF CONCERN:

Kopper's Industries Inc. is a terminal facility for coal tar based products handling liquid pitch and refined coal tars. Occasional spillage of materials from loading and unloading operations has

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warranted paving and berming to ensure adequate containment of materials. They are also on a clean sweep schedule 10 times a year. Most materials are cleaned up and recycled back into product those that aren't are hauled away by Chem-Waste out of Hillsboro. Most material is inert and can be land filled.

8. <u>DISCUSSION OF PERMIT SPECIFIC LIMITS:</u> None

9. <u>APPLICABLE LIMITS</u>: (mg/l) (indicated in bold)

Parameter	Required in	Categorical Limit	Local Limit	Permit	Categorical Limit
	Schedule B	Daily Max. Die		Specific	Daily Max. Die Cast Zinc *
		Cast Aluminum *		Limits	Cast Zinc
oroopio	0.2		0.2	- 10 March 1864   1864   1864   1864   1864   1864   1864   1864   1864   1864   1864   1864   1864   1864   1	
arsenic			0.3		
cadmium	0.7		0.7		
chromium	5.0		3.8		
copper	3.7	*	2.3		
lead	0.7		0.7		
mercury	0.010		0.014		
molybdenum	1.4				
nickel	2.8		3.0		
selenium	0.6				
silver	0.4		0.4		
zinc	3.7	*	4.0		
total phenols					
pН	5.0-11.5				
cyanide	1.2				
_cyanide					
NP oil/grease	110				
TTO		*			
Sulfide (dissolved)	4.0				

Bolded Values represent applicable limits that appear in Schedule A of the Permit. Pollutants that are bolded and underlined represent parameters that will be monitored by the Industrial User.

10. ADDITIONAL MONITORED POLLUTANTS:

None

11. SUMMARY OF COMPLIANCE HISTORY:

Good compliance history, no violations.

10. MONITORING AND REPORTING ANALYSIS: (Refer to Discharge Risk Analysis Score Table)

Parameter	1. 獨國城鄉東京都有京都共興權之職	Points
$Q_{flow}$	Domestic	0
N pollutants	3	1

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Parameter		Points
BOD <sub>average</sub>	N/A	0
TSS <sub>average</sub>	N/A	0
pH <sub>potential</sub>	None	0
C <sub>hemical</sub> S <sub>torage</sub>	High	3
P <sub>retreated pollutants</sub>		0
TOTAL:		4

#### Discussion -

Q - Domestic sewer flow 515 gpd to the City Sewer

Np -

**BOD** - None

TSS - None

**pH** - No pH problems at this time.

Chemical Storage -Pencil Pitch storage buildings, also keep three drums of diesel fuel and 2 to 3 drums of a citrus based (orange) cleaner.

P<sub>N</sub> -

**DRA Determination Table** 

Discharge Point Range	City	Self	Inspections per Year	# of Inspectors
	Samples per Year	Samples per Year		
3 - 6	1	2	bi-annual	1
7 - 11	2	4	1	1
12 - 16	4	6	1	1
17 - 21	6	8	1	1
22 - 26	8	12	1-2	1-2
27 - 31	12	26	2	1 - 2
32 - 35	26	52	2 - 4	1-2

#### MINIMUM INDUSTRIAL USER COMPLIANCE MONITORING REQUIREMENTS

		Monitori	ng Frequency
Analysis	City Monitoring	Self Monitoring	Inspection Frequency
Minimum Requirement P-1	Semi-Annual	Quarterly	Annual
Minimum Requirement P-2	.Annual	Semi-annual	Bi-annual
DRA Results	1	2	Annual
Recommended	Semi-Annual	Semi-annual	Annually

 $\verb|\arriel| GRP102 \\| CUSTOMER \\| IU-K \\| KOPPERS \\| PERMIT \\| FORMS \\| 99 \\| fctsht.doc$ 

Note: If the recommendation is different than the DRA guidance, please explain.

#### 13. PERIODIC SELF MONITORING FREQUENCY

	SELF MONITORING FREQUENCY
DRA:	0
Monthly:	0
Quarterly:	0
Semi-Annually:	Semi - Annual Non-Discharge Certification Report Submitted twice yearly.
Annually:	0
Special Reports:	None at this time.

- 14. SPECIAL CONDITIONS:
- None
- 15. MISCELLANEOUS INFORMATION:
- 16. <u>ATTACHMENTS:</u>
  - A: PROCESS DIAGRAM:
  - B: <u>DIAGRAM OF DISCHARGE POINTS & POINT OF COMPLIANCE:</u> N/A
  - C. CLASSIFICATION FORM #5-2
  - D: <u>DISCHARGE LIMITS CALCULATIONS</u>: N/A
  - E: PRODUCTION DATA:

N/A

F. CMS FORM N/A non-discharger

#### Log of Fact Sheet Changes

Date	Changes
10 / 20 / 1998	Updating fact sheet for industries
6 / 23 / 99	Updated fact sheet from Inspection
10/3/1999	Permit Renewal
3/ 8 /2000	Updated fact sheet from inspection notes stormwater accompanied.

Prepared by:

Colleen F.G. Harold

Date:

3/8/2000

TL Approval:	M/1)	Date:	3/13/00
For New/Renewe	d Permits:		,
1000 4		Date:	
ISCD Approval:			

# Attachment C. INDUSTRIAL USER CLASSIFICATION EVALUATION SHEET Applicable Classification is denoted by bold typeface.

	DESCRIPTION	CLASS
1.	Categorical regulated IU with regulated process discharge	P-1
2	Categorical regulated IU with zero discharge standard (NDCIU)	<u>P-1</u>
	No Potential Permit.	
3.	Non-categorical IU with process discharge >25,000 gpd	P-1
4.	Non-categorical IU with process discharge <25,000 gpd and is monitored for ESSC.	P-2
5.	Non-categorical IU with process discharge >10,000 gpd but <25,000 gpd with a POC above PLOC in raw wastewater discharge	P-2
6.	Non-categorical IU with a process waste discharge <10,000 gpd but with a raw wastewater Mass discharge of a POC>10,000 gpd $\rm LL_{EQ}$ mass equivalent	P-2
7.	Non-categorical IU with a process discharge <10,000 gpd and a POC greater than a PLOC or requires an ADCM	NP-1
8.	Non-categorical IU with process discharge <10,000 gpd with no Pooch's in wastewater or POC level is less than PLOC or does not need an ADCM	NP-2
9.	Non-categorical IU with no process waste discharge but is a division D manufacturer and/or has potential for spills of hazardous substances, or is an NDCIU with no potential to discharge regulated process wastes	NP-3
10.	Non-categorical IU with no process waste discharge, no manufacturing and no potential for spills of hazardous substances (office, shoe store, steel brokerage office)	NP-4

If, as a result of this review and Fact Sheet preparation, a permit is not issued, discuss reasons and forward to Permitting Section Supervisor.

Date: 3/8/00 3:59 PM Sender: Amos Kamerer

To: Jim Dietz; Traci Self; Mark Cilley

**Priority:** Normal

Subject: Portland, Environmental services

Jim,

The annual inspection with the above was conducted today and it was very routine, These are POTW people and because we do not have any process water, we are not much of an issue for them. They will send a follow up report, later.

There was one suggestion that was made and it's not a requirement, and it was something that Mark had already mentioned, was to possibly adding containment around the drum storage area, do to it's proximity to one of our storm water collection sumps. As this area will be needed for the 2nd tank at some time in the future, Mark had already suggested that we look at using containment/shed units, to store our drums in. Mark will send me some info on these, so that I can check into them.

#### Amos

that this area that we currently use for this purposes, will have to be moved when the 2nd tank is added

(ollean 3:45 pm 2/4/00

#### Memo to file

January 19, 2000

Ref: City of Portland, Bureau of Environmental Services Colleen Harold, Permit Manager

I called Colleen today to advice her that I was still working on the revised SPPC plan and would not be able to meet her requested date of January 21<sup>st</sup> for the revision. She extended this date to 2/15/00.  $0 \times +0 \times |1/\infty|$ 

Also, I had noticed that when I prepared the non-discharge report for the last half of 1999, that was due 1/15/00, I used the old form, thus, did she want me to redo this on the new form? She said no, that it would not be necessary.

I told her all about our first vessel discharge and invited her to stop by when ever she was in the area.

Mailed 2/25/89

**Amos** 

CC: T. Self, M. Cilley

Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

December 7, 1999

Koppers Industries, Inc. William E. Swearingen 436 Seventh Ave Pittsburgh, PA 15219-1800

RE: Renewal of Industrial Wastewater Discharge Permit #314.001

Dear Mr. Swearingen:

Thank you for returning your permit renewal material before the deadline date. I apologize for the delay on my part. Enclosed please find:

- Renewed: Industrial Wastewater Discharge Permit (#314.001)
- Industrial Source Control Division Statement of Non-Discharge, due January 21, 2000
- ASPP review, due January 21, 2000
- Current fact sheet for your review.

The enclosed permit has been modified, with minimum requirements, for those industries that have no potential to discharge to the City sewer system. The new permit will ease the cost of the new service fees to a flat rate of \$422.00 annually. This fee will be assessed at a rate of 1/3 of the actual amount with the full fees to be phased in by July 2001.

There is no longer a Non-Discharge Certification Report due semi-annually however, there will be an annual inspection performed and an annual Certification Report at that time. Also, I ask that you review and update, if necessary, your current Accidental Spill Prevention Plan. If after your review, you find that no revisions are needed, please send a letter indicating no revisions were needed by January 21, 2000.

If you have any questions or comments, please do not hesitate to contact me at (503) 823-5556.

Respectfully,

Colleen F.G. Harold, Permit Manager

Colleen J. S. Harold.

Industrial Source Control Division, Bureau of Environmental Services.

M. Cillby, Stickney

NFC 1 4 1999



Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

> Expiration Date: 10/1/2004 Permit Number: 314.001

#### **Categorical Industrial User Permit** (No Potential to Discharge)

Issued to:

Kopper's Industries, Inc.

Plant Type:

Blending and melting of creosote and tar pitch

Location:

7540 NW St. Helen's Rd.

Portland, OR 97210

SIC Code:

2865

**EPA Category**:

414.7 Organic Chemicals

Responsible Official: Amos Kamerer

Phone Number:

(503) 286 - 3681

**Expiration Date:** 

10 / 1 /-2004

The permitee is authorized to discharge domestic wastewater and non-categorical regulated process wastewater to the City of Portland city sewer system in compliance with Chapter 17.34 of the City Code. No industrial process wastewater associated with 40 CFR #414.7 Bulk Organic, Processing shall be discharged to the city sewer without prior written approval from the City.

It is the permittee's duty to comply with all conditions of this permit. Any non-compliance of this permit constitutes a violation of Chapter 17.34 of Portland's City Code and, as such, subjects the permittee to enforcement actions.

Effective Date: This permit shall be effective on the date signed below, and shall supercede all previous permits. This permit shall remain in effect for five years or until notification of termination is received from the City, whichever comes first.

Industrial Source Control Manager:

Prepared By: Checked By:

Effective Date:

Expiration Date: Permit Number:

10 /1/2004 314.001

Page:

1

### **Schedule A Compliance Conditions**

#### I. Administrative Requirements:

#### a. Non-Transferability

This permit is not transferable. In case of a change of ownership, the permittee shall notify the City with the change, along with the name, address and phone/fax numbers of the new owners. The new owners shall contact the City and request an issuance of a new NDCIU permit.

#### b. Records Retention

All records of activities to comply with this permit shall be retained by the industry for a minimum of three years. This retention period shall be extended during the course of any unresolved litigation pertaining to the discharge of pollutants by the authorized discharger or whenever, it is requested by the City.

#### c. Accidental Spill Protection Plan (ASPP)

If chemicals are on site then they must be stored in a manner that will prevent the entry of these substances into the sanitary, combined, or storm sewer system or waters of the state. If chemicals are used or stored the industry must prepare and submit to the City, for approval, an ASPP within 90 days of the permit effective date. The plans shall include the following elements:

- A description of the hazardous substances handled and their potential points of entry into the City sewer system or storm runoff.
- A description of the measure to be taken to prevent entry at the described points and the measures to contain a spill if one occurs.
- A description of employee training in the prevention and control of spills.
- A posted notice informing employees that the discharge of industrial wastewater is prohibited and that notification must be made to the Bureau of Environmental Services (BES) at 503-823-7180 in the event of any spill, accidental or uncontrolled.

#### d. Right of entry

The industry shall, at all reasonable times, allow authorized City representatives to enter and have access to the permittee's premises for the purposes of inspecting and evaluating any certification records, or disposal methods associated with this permit.

Expiration Date: Permit Number:

10 /1/2004 314.001

Page:

2

#### II. Reporting Requirements:

#### a. Non-Discharge Certification

A Statement of Non-Discharge certificate must be signed annually by the responsible official or designated authority. This certificate must be submitted to the City no later than January 15 of the following year.

#### b. Changes in Wastewater Characteristics

The authorized permittee shall give notice to the Industrial Source Control Division, 90 days before any facility expansion, production increase, or process modifications resulting in a potential to discharge or resulting in a change in status of potential to discharge.

#### c. Accidental Spill or Discharge

The authorized permittee shall notify the City immediately, either in person or by telephone (503-823-7180), if any accidental spill or discharge to the sanitary sewer occurs. A formal written report, discussing circumstances and remedies, shall be submitted to the City within 5 days of the occurrence.

#### d. Hazardous Waste Notification

The industrial user shall notify the Industrial Source Control Division Section, the POTW, the EPA Regional Waste Management Division Director, and State hazardous waste authorities in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste as set forth in 40 CFR Part 261. Such notification must include the name of the hazardous waste as set forth in 40 CFR Part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the industrial user discharges more than 100 kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the industrial user: an identification of the hazardous constituents contained in the wastes, an estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following 12 months.

#### e. Plant Closure

In the event the authorized permittee plans to cease operations at the present business location, and decide not to relocate within the City of Portland's jurisdiction, the authorized permittee shall inform this office, in writing, 60 days prior to plant closure.

f. The City may be notified at 503-823-5600 (telephone), 503-823-5559 (facsimile), or write to:

Industrial Source Control Division Bureau of Environmental Services 6543 N Burlington Avenue Portland, OR 97203

### CITY OF PORTLAND - INDUSTRIAL SOURCE CONTROL DIVISION INDUSTRY FACT SHEET - INDUSTRIAL USER INFORMATION

Company Name:

Kopper's Industries, Inc.

**Nature of Business** 

Blending and melting of Creosote and tar Pitch.

Site Address:

7540 NW St. Helen's Rd.

Mailing Address:

William E. Swearingen

Portland, OR 97210

436 Seventh Ave.

Signatory Auth.:

**Amos Kamerer** 

**Alternate Contact:** 

Pittsburgh, PA 15219-1800 William E Swearingen

Plant Mar.

Telephone #:

(503) 286 - 3681

Telephone #:

(412) 227 - 2883

Facsimile #:

(503) 285 - 2831

Facsimile #:

(412) 227 - 2423

Permit #:

#314 - 001

SIC Code:

2865

Permit Manager:

Colleen F.G. Harold

Prev. Permit Mgr.:

Stephen Rosenberger

Christina Anderson

**Expiration Date:** 

10/1/1999

Last Permit Rev.:

Water Account #:

#4640172034 M 0178

Water Usage (GPD):

7,650 gpd

Discharge (GPD):

315 gpd

# of employees:

10

**Hours of Prod.:** 

24 hr. 4-5 days / week

# of Shifts:

3 shifts

Total Area:

6.4 Acres

Area to Storm

5.8 Acres

Storm. Permit #:

# 47,430

Permit Manager:

John Holtrop

**Main Pump Station** 

Other Environmental

•

NPDES #101003

Permits:

**DEQ** Air Permit

**USEPA Category:** 

US EPA Category - 414.7 (Organic Chemicals)

**CoP Classification:** 

P-4, Categorical IU Non-discharger (300 Series Permit)

**Point of Compliance:** 

End-of-process

**Emergency Contact** 

Amos Kamerer

After Hours phone

(503) 286 - 3681

Safety

Steel Toed Boats, Hard Hat, Safety Glasses

**Considerations:** 

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#### Resources used to prepare the Fact Sheet. Check all that apply

Previous Permit	<b>√</b>	Monitoring Data	✓
Permit Application	✓	MSDS Information	✓
Survey I	<b>√</b>	Fire Marshall Report	✓
Survey II		Site History	✓
Site Inspection	✓	Corporate Report	
Compliance History	✓	Similar Operations	✓

#### 1. BUSINESS DESCRIPTION:

Kopper's Industries Inc. is a terminal facility for coal tar based products handling pencil pitch, liquid pitch, creosote, creosote distillates and refined coal tars. As of 1999 they no longer handle coal tar. Kopper's Industries, Inc. performs blending and melting of Coal products including Creosote and Tar Pitch. They take in raw materials, melt, blend, and ship out product. No water is used in their process and no wastewater is generated. They distribute 1,500 tons a week of product by rail and truck. The product is used in cosmetics and aluminum foundries.

They have an NPDES Permit for storm water runoff and boiler blown down discharge to the river. The tank farm consists of 3 tanks with hot oil, 2 with Pitch and 3 tanks for storm water collection. All storm water goes to the tank farm and through the oil water separator.

Kopper's and Pacific Northern Oil are tenants of NW Natural Gas. Kopper's was started in 1965 and NW Natural Gas has been on the site since 1912. They are presently adding a new dock and pipeline as well as, two large storage tanks for liquid pitch (1998-1999). The line travels the footbridge at an 8-inch diameter and once it clears the bridge and a pump it expands to a 10-inch diameter. The pipeline has built in expansion loops to accommodate the cooling and heating of the product (It expands as a liquid). Kopper's expects to be handling two million gallons (10,000 short tons) of liquid material by 2002.

Kopper's Industries, Inc is a categorical IU, per 40 CFR 414.7. Because they are non-discharging, they are given a 300 series permit.

#### 2. <u>DESCRIPTION OF PROCESSES GENERATING WASTEWATER:</u>

#### 2a POTENTIAL TO DISCHARGE (For Non-Dischargers)

In the event of not being able to meet the NPDES Permit requirements they might be forced to release directly to the City of Portland's sanitary sewer.

Domestic Sanitary Wastewater
NPDES Permit. – Storm Water & Boiler Blow Down

#### 3. RAW WASTEWATER DESCRIPTION:

This facility does not produce process wastewater. Stormwater is discharged through a regulated outfall into the Willamette River in compliance with their NPDES permit. Only sanitary waste is discharged to the city sewer.

#### 4. PRETREATMENT

No wastewater is produced in their process.

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#### 6. ANALYSIS OF DISCHARGE DATA:

No Data Available

Pollutants of Concern # Violations/#Sp		Company Data			
		Avg. For Period 01/92-11/96	Maximum Value	Local Limit (Flow Weighted Average Adjusted 1992 Data)	Pollutant Level of Concern
Arsenic	0/0				
Cadmium	0/0				
Chromium	0/0				
Copper	0/0				
Lead	0/0				
Molybdenum	0/0				
Nickel	0/0				
Selenium	0/0				
Silver	0/0				
Zinc	0/0				
Cyanide-T	0/0				
Oil/Grease (NP)	0/0				
рН	0/0				
TSS	0/0				

#### 7. POLLUTANTS OF CONCERN:

Kopper's Industries Inc. is a terminal facility for coal tar based products handling pencil pitch, liquid pitch, creosote, creosote distillates and refined coal tars. Occasional spillage of materials from loading and unloading operations has warranted paving and berming to ensure adequate containment of materials. They are also on a clean sweep schedule 10 times a year. Most materials are cleaned up and recycled back into product those that aren't are hauled away by Chem-Waste out of Hillsboro. Most material is inert and can be land filled.

#### 8. DISCUSSION OF PERMIT SPECIFIC LIMITS: None

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#### 9. <u>APPLICABLE LIMITS</u>: (mg/l) (indicated in bold)

Parameter	Schedule B	Categorical Limit Dally Max. Die Cast Aluminum		Specific	Categorical Limit Daily Max. Die Cast Zinc
			0.0		7
arsenic	0.2		0.3		
cadmium	0.7		0.7		
chromium	5.0		3.8		
copper	3.7		2.3		
lead	0.7		0.7		
mercury	0.010		0.014		
molybdenum	1.4				
nickel	2.8		3.0		
selenium	0.6				
silver	0.4		0.4		
zinc	3.7		4.0		
total phenois					
pН	5.0-11.5				
cyanide	1.2				
_cyanide					
NP oil/grease	110				
TTO					
Sulfide (dissolved)	4.0				

Bolded Values represent applicable limits that appear in Schedule A of the Permit. Pollutants that are bolded and underlined represent parameters that will be monitored by the Industrial User.

None

#### 10. <u>ADDITIONAL MONITORED POLLUTANTS:</u>

#### 11. SUMMARY OF COMPLIANCE HISTORY:

Good compliance history, no violations.

#### 10. MONITORING AND REPORTING ANALYSIS: (Refer to Discharge Risk Analysis Score Table)

Parameter	<b>建物等等者或者的的</b>	Points
Q <sub>flow</sub>	Domestic	0
N pollutants	3	1
BOD <sub>average</sub>	N/A	0
TSS <sub>average</sub>	N/A	0
pH <sub>potential</sub>	None	0
C <sub>hemical</sub> S <sub>torage</sub>	High	3

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Parameter	· · · · · · · · · · · · · · · · · · ·	Points
Pretreated pollutants		0
TOTAL:		4

#### **Discussion -**

Q - Domestic sewer flow 515 gpd to the City Sewer

Np -

**BOD - None** 

TSS - None

pH - .No pH problems

Chemical Storage -Pencil Pitch storage buildings, also keep three drums of diesel fuel.

P<sub>N</sub> -

**DRA Determination Table** 

Discharge Point	City	Self	Inspections per Year	# of Inspectors
Range	Samples per Year	Samples per Year		
3-6	1.	2	bi-annual	1
7 - 11	2	4	1	1
12 - 16	4	6	<b>1</b>	1
17 - 21	6	8	1	1
22 - 26	8	12	1-2	1-2
27 - 31	12	26	2	1-2
32 = 35	26	52	2-4	1-2

#### MINIMUM INDUSTRIAL USER COMPLIANCE MONITORING REQUIREMENTS

		Monitori	ng Frequency
Analysis	City Monitoring	Self Monitoring	Inspection Frequency
Minimum Requirement P-1	Semi-Annual	Quarterly	Annual
Minimum Requirement P-2	Annual	Semi-annual	Bi-annual
DRA Results	1	2	Annual
Recommended	Semi-Annual	Semi-annual	Annually

Note: If the recommendation is different than the DRA guidance, please explain. \\ARIEL\GRP102\CUSTOMER\IU-K\KOPPERS\PERMIT\FORMS\99fctsht.doc

#### 13. PERIODIC SELF MONITORING FREQUENCY

	SELF MONITORING FREQUENCY
DRA:	0
Monthly:	0
Quarterly:	0
Semi-Annually:	Semi - Annual Non-Discharge Certification Report Submitted twice yearly.
Annually:	0
Special Reports:	None at this time.

- 14. SPECIAL CONDITIONS: None
- 15. <u>MISCELLANEOUS INFORMATION:</u>
- 16. <u>ATTACHMENTS:</u>
  - A: PROCESS DIAGRAM:
  - B: <u>DIAGRAM OF DISCHARGE POINTS & POINT OF COMPLIANCE:</u> N/A
  - C. CLASSIFICATION FORM #5-2
  - D: <u>DISCHARGE LIMITS CALCULATIONS</u>: N/A
  - E: PRODUCTION DATA: N/A
  - F. CMS FORM N/A non discharger

#### Log of Fact Sheet Changes

Date	Changes Changes
10/.20/1998	Updating fact sheet for industries
6/23/99	Updated fact sheet from Inspection
10/3/1999	Permit Renewal

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Prepared by:	Colleen F.G. Harold	Date:	10-4-1999
TL Approval:	MAS	Date:	10/11/99
For New/Renewe	d Permits:		, .
		Date:	
ISCD Approval:			

# Attachment C. INDUSTRIAL USER CLASSIFICATION EVALUATION SHEET Applicable Classification is denoted by bold typeface.

	DESCRIPTION	CLASS
1.	Categorical regulated IU with regulated process discharge	P-1
2.	Non-categorical IU with process discharge >25,000 gpd	P-1
3.	Non-categorical IU with process discharge <25,000 gpd and/or ESSC	P-2
4.	Non-categorical IU with process discharge <25,000 gpd and is required to pretreat wastewater (excludes O/WS)	P-2
5.	Non-categorical IU with process discharge <25,000 gpd with a POC above PLOC in discharge	P-2
6.	Non-categorical IU with a process waste mass discharge of a POC $\geq$ 10,000 gpd $LL_{EQ}$ mass discharge	P-2
7.	Non-categorical IU with a process discharge <6,000 gpd and a POC greater than a PLOC or requires a O/WS or ASPP	NP-1
8.	Non-categorical IU with process discharge <6,000 gpd with no POCs in wastewater or need for an ASPP or POC level is less than PLOC	NP-2
9.	Non-categorical IU with no process waste discharge but is a division D manufacturer and/or has potential for spills of hazardous substances	NP-3
10.	Non-categorical IU with no process waste discharge, no manufacturing and no potential for spills of hazardous substances (office, shoe store, steel brokerage office)	NP-4

If, as a result of this review and Fact Sheet preparation, a permit is not issued, discuss reasons and forward to Permitting Section Supervisor.

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# RECEIVED

DEC 2 0 1999

KOPPERS INDS, INC. PORTLAND OR

Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

#### NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards, 40 CFR 414 that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules.

Facility Name:	Koppers Industries
I delity i dilic.	reppers madadies

Address: 7540 NW St Helens Rd.

Portland, OR 97210

Reporting Period: From July 1, 1999 To December 31, 1999

THIS REPORT DUE TO THE CITY BY: January 15, 2000

### CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATER HAVE OCCURRED

Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature:	###	A. S. KAMERER
Title:	Mant M.	
Date:		29

cc: T. SelF, EII

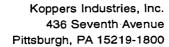
All self-monitoring reports (SMR) must include the following to be considered complete. For more detailed information regarding these items, please refer to the colored reference sheet. If you have any questions, please contact your permit manager for assistance.

Self Monitoring Report Check List:				
σ	Chain of Custody form			
	Analytical Results with Method Detection Limits (MDL)			
a	QA/QC Results, if applicable			
0	Signed Signatory Certification Statement (Printed on bottom of SMR)			
<b>o</b>	Completed Self Monitoring Report form			
Whenever appropriate:				
0	Hand Composite Sample form			
0	Copies of pH charts showing the violation			
0	Calculations of monthly average			
	Any other required reports			

To assure prompt delivery, mail all monitoring results to:

Industrial Source Control Division Water Pollution Control Laboratory 6543 N. Burlington Avenue Portland, OR 97203-5452

Attn: <Your permit manager's name here>





Telephone: (412) 227-2001 Fax: (412) 227-2423

September 13, 1999

RECEIVED

City Of Portland Environmental Services Water Pollution Control Laboratory 6543 N. Burlington Ave. Portland, Oregon 97203-5452

SEP 2 0 1999

KOPPERS INDS, INC. PORTLAND OR

Colleen F. G. Harold, Permit Manager Industrial Source Control Division, Bureau of Environmental Services

RE: RENEWAL OF INDUSTRIAL WASTEWATER DISCHARGE PERMIT #314-001

Dear Colleen:

Enclosed please find a completed renewal application for Industrial wastewater permit #314-001. A \$50 renewal fee is also enclosed. Koppers Industries Inc. (KII) understands the current wastewater discharge permit will be extended until the permit is renewed.

If you have any questions please contact me at (412) 227 2883.

Sincerely,

Traci I Self

Environmental Manager

Enclosure (1)

cc: Amos Kamerer Mark Cilley Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

# INDUSTRIAL WASTEWATER DISCHARGE PERMIT APPLICATION

The City of Portland (the City) is required by the federally mandated Pretreatment Program (40 CFR 403.8(f)(2)), to develop and implement procedures that:

- (1) Identify and locate all possible Industrial and Commercial Users which might be subject to the Publicly Owned Treatment Works (POTW) Pretreatment Program requirements.
- (2) Characterize the type and volume of pollutants contributed to the POTW by the Industrial and Commercial Users as identified under (1) above.

By completing the *Industrial Wastewater Discharge Permit Application*, you are helping the City complete its requirements.

#### Confidential Information

As outlined in 40 CFR 403.14 (a)-(c) and ORS 192.430, any information submitted to the City under the Pretreatment Program requirements may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission in the manner prescribed on the application form or instructions, or, in the case of other submissions, by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, the City may make the information available to the public without further notice. If a claim is asserted, the information will be treated in accordance with the procedures in 40 CFR part 2 (Public Information) and ORS 192.440(2).

Information and data provided to the City under these requirements which is effluent data shall be available to the public without restriction.

All other information which is submitted to the State or POTW shall be available to the public at least to the extent provided by 40 CFR 2.302 and ORS 192.440(2).

If, at any time, there is insufficient space to complete an answer, continue your response on a separate piece of paper. Indicate the section and question number next to your response.

Page 1 of 19

Rev. 9/14/98

### INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION SECTION I: GENERAL FACILITY INFORMATION

- 1. Enter the name of the company, *i.e.*, the name of the company legally responsible for this facility.
- 2. Enter the name of the facility, such as the name used on letterhead and/or correspondence or advertising.
- 3. Enter the street address where the facility is located.
- 4. Enter the mailing address of the facility, if different from the facility street address above.
- 5. Enter the name, title, telephone number, and fax number of the person who is <u>most familiar</u> with the facts reported on this form and who can be contacted by City staff. Generally, this person is the facility's maintenance supervisor or engineer.
- 6. Enter the approximate month and year that operations began, or are proposed to begin, otherwise use best estimate.

Page 2 of 19

# INDUSTRIAL WASTEWATER DISCHARGE PERMIT APPLICATION

#### **SECTION I: GENERAL INFORMATION**

Confidential Information - Indicate those sections of this application that you wish to remain confidential <u>as well as</u> your reasons for requiring confidentiality. Wastewater discharge characteristics can not be considered confidential

can not be considered confidential.	ring confidentiality. Wastewater disc	charge characteristics
1. Koppers Industries, Inc. (Company Name)		
(Company Name)		
2. Portland Terminal		
(Facility Name)		•.
3. 7540 NW Saint Helens Road		
(Facility Address, Str	reet)	
Portland	OR	97210–3663
(City)	(State)	(Zip Code)
4 <u>same as facility</u> (Mailing Address, Str	reet/PO. Box)	
(City)	(State)	(Zip Code)
5. Provide the name of the person to con	itact on information contained in this	questionnaire:
Amos Kamerer		503-286-3681
(Name)		(Phone)
Plant Manager		503-285-2831
(Title)		(Fax)
5. Initial startup date of operations at this fac	cility: <u>1965</u>	

# INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION SECTION I: GENERAL FACILITY INFORMATION, Continued

- 7. Enter the name, title, telephone number, and fax number of the person who is responsible for responding or organizing a response to emergencies at this facility, and who can be contacted by City staff. These emergencies may include spills and chemical releases, fires, floods, or earthquakes.
- 8. Check the appropriate box and make the necessary changes or corrections to the enclosed document, if needed.

Page 4 of 19

#### SECTION I: GENERAL FACILITY INFORMATION, Continued

7.	Person to be contacted in case of an emergency at this facility:					
	Amos Kamerer	503-286-3681				
	Name	Phone				
	Plant Manager	503-285-2831				
	Title	Fax				
8.	Is all of the information previously submitted in your facility's Ecurrent, up-to-date, and correct?	Environmental Survey Part II, still				
	Yes [K] No []					
	(A copy of your facility's Environmental Survey Part I	I is included for your reference.}				

If you checked No, make the needed changes to the enclosed Environmental Survey Part II, initial and date all changes and send in the corrected copy of the Survey with the completed Permit Application.

# INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION SECTION II: FACILITY PROCESS FLOW INFORMATION

- 1. Provide the daily average flows discharged in gallons per day (gpd) for the last 12 months. For estimating sanitary flow, use 25 gallons per employee per day. Be as specific as possible. If the exact amount of water is not known for each item, then estimate the amount as best as possible and note how the estimation was determined.
- 2. Check the appropriate box and provide the necessary information.

Page 6 of 19

1. For your facil GLA		cesses or prop rocess wastew	osed processes ater). r collection sys	
Individual Process Flows in Gallons Per	Day (gpd)			
Process Description		Average Flow, gpd	Maximum Flow, gpd	Type of discharge
Sanitary		275	350	batch
Discharge to surface waters (NPDES): Boiler blowdown/storm water		21,302	52,580	batch
2. Is an inspection or sampling manhole structure	available on-site?	Yes [ ]	No	> [x]
• If No, is one planned?		Yes [ ]	No	[X]
• If Yes, provide location below and include Attachment B).	as part of the proce	ess flow schem	natic (see also	
Location description:			•	
<u> </u>				
		<del></del>		<del></del>
		<del></del>	· ····	

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## INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION SECTION II: FACILITY PROCESS FLOW INFORMATION, Continued

- 3. Check the appropriate boxes and provide the required information.
- 4. Briefly describe any previous spills of raw materials, products, or process wastes that were or may have been discharged to the sewer collection system. Also list all corrective actions that were taken to clean-up the spills and procedures that were put in place to prevent a re-occurrence.

Page 8 of 19

#### SECTION II: FACILITY PROCESS FLOW INFORMATION, Continued

3.		plan to have, automationent in use or included i		mei	nt o	r continu	ous waste	water fl	ow		
•	Current:	Flow Metering	Yes	[	]	No	[x ]	N/A	[	]	
		Sampling Equipment	Yes	[	]	No	[x ]	N/A	[	]	
•	Planned:	Flow Metering	Yes	{	]	No	[X ]	N/A	[	]	
		Sampling Equipment	Yes	[	]	· No	[X ]	N/A	[	]	
		the equipment below ar schematic in Attachme		ese	nt c	or future l	ocation o	f this eq	lui p	ment	on
4.	from the facil	be below, or on a separality. Also list the cleanent a reoccurrence.									
00	ccasional spil	lage of materials	from loading	g/u	ınlo	oading (	operation	ons.	<u>Pa</u>	ving	
pa	ving and diki	ng controls are a	dequate to co	ont	air	n mater	ials. 1	lost m	at	eria	ls
ar	ce cleaned up	and recycled back	to product.	A	ny	solid v	waste is	s disp	05	ed o	<u>f</u>
ir	an appropria	te manner.	, , , , , , , , , , , , , , , , , , ,								
•											
			A Additional Company of Service Burning								

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### INTRODUCTION: INDUSTRIAL WASTEWATER PERMIT APPLICATION SECTION III: FACILITY WASTEWATER INFORMATION\_

This section, in two parts, details the collection of the necessary quantitative wastewater information required to establish applicable pretreatment limits and monitoring requirements for each industrial user. Contact the Industrial Source Control Division if there are any questions on what limits apply, what parameters to sample, sampling requirements, and from where to take the samples. Samples should be taken of the final effluent prior to discharge to the City's sewer collection system. If there is more than one discharge of process wastewater to the City's sewer lines, photocopy this page and supply the analytical results for all process wastewater discharges.

Existing Facility: (report results in concentrations (mg/L) or mass (lbs))

Each facility will sample, have analyzed, and report on all pollutants as specified by the City. If mass limits apply, the facility must report results on a mass basis (concentration x regulated process flow). Attach all calculations.

Samples collected must be representative and taken during peak production. Samples must be collected each day for three consecutive days, and analyzed separately.

New Facility: (report results in concentrations (mg/L) or mass (lbs))

This includes a new business moving into an existing facility or a new business proposing to construct a new building. A new facility should be in compliance with applicable pretreatment standards upon commencement of discharge and is required to sample and submit the final compliance report within 30 days of commencement of discharge. Because no discharge of process wastewater has occurred, provide your best estimate of the discharge. This estimate shall be confirmed through monitoring of the facility's effluent.

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### TABLE 1 APPLICABLE LIMITS: 1

Parameter	Suggested Analysis Method 40 CFR 136	Local Limit	Sample Type, Grab or Composite	Required Sampling
Metals				
Arsenic	200.7	0.2 mg/L	Composite	
Cadmium	200.7	0.7 mg/L	Composite	
Chromium	200.7	5.0 mg/L	Composite	
Copper	200.7	3.7 mg/L	Composite	
Lead	200.7	0.7 mg/L	Composite	
Mercury	245.1	0.010 mg/L	Composite	
Molybdenum	200.7	1.4 mg/L	Composite	
Nickel	200.7	2.8 mg/L	Composite	
Selenium	200.7	0.6 mg/L	Composite	
Silver	200.7	0.4 mg/L	Composite	
Zinc	200.7	3.7 mg/L	Composite	
Non-Metals				
BOD <sub>5</sub>	405.1		Composite	
Closed Cup Flash Point	ASTM D-93-80	>140 °F	Grab	
Cyanide	335.2	1.2 mg/L	Grab	
Non-polar Fats, Oil, &	1664	110. mg/L	Grab	
Grease				
pН	150.1	5.0-11.5	Grab	
		S.U.		
Total Toxic Organics	624 & 625	2.13 mg/L		
Total Suspended Solids	160.2		Composite	
Sulfide	376.2	4 mg/L	Grab	
Individual Organic Compounds				
Pentachlorophenol	625	0.04 mg/L	Composite	
Chlorobenzene	624	0.2 mg/L	Grab	
Chloroform	624	0.2 mg/L	Grab	
Trichloroethylene	624	0.2 mg/L	Grab	
1,2 Dichloroethane	624	0.5 mg/L	Grab	
2,4-Dinitrotoluene	625	0.13 mg/L	Composite	
Nitrobenzene	625	2.0 mg/L	Composite	
Acrylonitrile	603	1.0 mg/L	Grab	
Chlordane	625	0.03 mg/L	Composite	

This table lists the applicable Local Limits for all Permitted Industrial Users. Categorical Industrial Users may have additional limits that apply.

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NO ADDITIONI

# INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION SECTION III: FACILITY WASTEWATER INFORMATION

#### PART A. NON-CATEGORICAL INDUSTRIAL FACILITIES

- 1. Each Permitted Industrial User is required to perform self monitoring sampling and analyses to help document compliance with the pretreatment regulations. Provide the requested information even if all of the self monitoring analyses are performed by facility staff.
- 2. Provide the requested information. Most Commercial Laboratories participate in at least one performance evaluation or certification program to help insure and document that the data generated is valid and credible.
- 3.. After comparing the process wastewater data to the discharge limits that are listed in Table 1, check the appropriate box and complete as requested. Describe any additional O & M or installation of pretreatment equipment required to meet the listed discharge limits and attach a proposed compliance schedule. Specify the major events. After approval by the city, a Compliance Order will be put in place. Failure to comply with the approved schedule will subject the facility to enforcement actions.

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### SECTION III: FACILITY WASTEWATER INFORMATION

P	ART A. NON-CATEGORICAL I.	n - n DUES	XICT
1.	Provide name and address of the commercial	PART A DOES  APPLY TO KOP  INSTEAD;  OUT PART B.	PERS FILL
	(Laboratory Name)	INSTERDY OUT PART B.	
	(Street Address)	<u>·</u>	/—
	(City)		,ue)
	(Phone)	(Fax)	
2.	List the Certification Program(s) in which the	e laboratory participates:	
3.	Compliance Certification: Compare the same a.) Is the facility meeting applicable pretreat	-	
	Yes [ ] No [	] Don't Know [ ]	
	If Don't Know, then compliance must be	evaluated after the baseline mo	onitoring is completed.
	If No, do you require:	<b>,</b>	
	b.) Additional operation and maintenance (C	%M) to achieve compliance?	Yes [ ] No [ ]
	c.) New or additional pretreatment facilities	to achieve compliance?	Yes [ ] No [ ]
	If additional O&M or new or additional pretre meet pretreatment standards on a consistent ba proposed schedule for completion of the work	asis, attach a description of wha	
	d.) I have provided a compliance schedule.		Yes [ ] No [ ]
/	Describe the compliance schedule of events or entails and the proposed due dates for each of is subject to prior approval by the City.		
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#### PART B. CATEGORICAL INDUSTRIAL FACILITIES

- 1. List each regulated process, its production rate (i.e. 1,000 lbs. of product per day), the process wastewater flow rate in gpd, the applicable SIC code, and the pretreatment category. If the exact flow rate is not known for each process, then estimate the amount as best as possible and note how the estimation was determined.
  - Baseline Monitoring Report: As per 40 CFR 403.12, each Categorical Industrial User must submit a Baseline Monitoring Report (BMR). This report should identify the nature and concentrations of all regulated pollutants. In the case of new facilities this report must be submitted 90 days prior to the start of discharge. Estimates may be used but these estimates shall be confirmed through final compliance monitoring and reporting of the facility's effluent. If the effluent samples were taken at one combined point, indicate alongside the regulated process line what process flows are co-mingled at the sampling point. Contact the City's Industrial Source Control Division for guidance on where to take samples and how many samples to take.
- 2. Each Permitted Industrial User is required to perform self monitoring sampling and analyses to help document compliance with the pretreatment regulations. Provide the requested information even if all of the self monitoring analyses are performed by facility staff.
- 3. Provide the requested information. Most Commercial Laboratories participate in at least one performance evaluation or certification program to help insure and document that the data generated are valid and credible.

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### PART B. CATEGORICAL INDUSTRIAL FACILITIES

1. Summarize each regulated process: (report concentrations in mg/L or mass in lbs.).

	Production Rate	Process Flow	DIC Code	Pretreatm Categor
Blending Melting	N/A	N/A	2865	414 subpa
			-	,
			Sta	et Vere
				Lere-
m . 1 1	N NT/A		ı	
Total plant flow: (In gallons per day	y, gpd) <u>N/A</u>		<del></del>	
Provide name and address of the cor	mmercial testing lab(s	s) who is (are) per	rforming anal	lyses:
N/A				
(Laboratory Name)				
(Laboratory Name)				
(Laboratory Name)  (Street Address)				
		(State)		(Zip Code)
(Street Address) (City)	(F			(Zip Code)
(Street Address)	(F	(State)		(Zip Code)
(Street Address)  (City)  (Phone)		rax)		(Zip Code)
(Street Address) (City)		rax)		(Zip Code)

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# INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION SECTION III: FACILITY WASTEWATER INFORMATION, Continued

- 4. As discussed in question #1 of this subsection, a BMR includes sampling and analysis data of the facility's effluent. Daily maximum and average pollutant concentrations from each categorically regulated process must be reported. A report form is included as Attachment D. A minimum of four grab samples for pH, cyanide, phenols, oils & greases, sulfide, and volatile organics must be taken, if applicable to the facility's categorically regulated processes. For all other regulated pollutants, a 24 hour composite sample is required. All such samples must be representative of the facility's daily operations. After comparing the analysis data to the discharge limits listed in the appropriate subpart of 40 CFR and the Local Limits listed in Table 1, check the appropriate box and complete as requested. Describe any additional O & M or installation of pretreatment equipment required to meet the listed discharge limits and attach a proposed compliance schedule. Specify the major events, bench marks, needed to achieve compliance, as well as dates for completion of the events. After approval by the City, the compliance schedule will be in place. Failure to comply with the approved schedule will subject the facility to escalating enforcement actions.
- 5. Total Toxic Organics (TTOs): Facilities who use toxic organics, as listed by EPA in its published categorical pretreatment standards, are required to meet the TTO pretreatment standards. Each facility must initially sample for TTOs to determine compliance. After a facility is found to be in compliance with the TTO standard the Industrial User may adopt either a certification statement or a solvent management plan in lieu of having to periodically sample for toxic organics if these options are allowed under the facility's category. If you do not use toxic organics in your manufacturing process, you may not be required to sample for TTO. Contact the City's Industrial Source Control Division for guidance.

Check the appropriate boxes.

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### SECTION III: FACILITY WASTEWATER INFORMATION, Continued

4.	Compliance Certification: Compare the sample results against the listed Categorical Standards and those listed in the Local Limits (Table 1).
	a.) Is the facility meeting applicable pretreatment standards on a consistent basis?
	Yes [ ] No [ ] Don't Know [ ] N/A-No process wastewater discharge.
	If Don't Know, then compliance must be evaluated after the baseline monitoring is completed.
	If No, do you require:
	b.) Additional operation and maintenance (O&M) to achieve compliance?
	Yes [ ] No [x]
	c.) New or additional pretreatment facilities to achieve compliance?
	Yes [ ] No [x]
	If additional O&M or new or additional pretreatment will be required for the facility to meet pretreatment standards on a consistent basis, attach a description of what is required and a proposed schedule for completion of the work.
	d.) I have provided a compliance schedule.
	Yes [ ] No [ X]
	Describe the compliance schedule of events on a separate sheet. Detail what the proposed work entails and the proposed due dates for each of the tasks involved. The proposed compliance schedule is subject to prior approval by the City.
5.	Total Toxic Organics (TTOs): Facilities covered by a TTO pretreatment standard must initially sample for the listed TTOs to help determine compliance. Contact the City's Industrial Source Control Division for a listing of the TTOs applicable to your industrial category. See also the table in Attachment A.
	a.) We presently use or plan to use toxic organics listed in the categorical pretreatment standards.
	Yes [ ] No [ x] If "Yes" then:
	b.) A solvent management plan has been developed and is attached.
	Yes [ ] No [ x]
	If "No," attach a proposed schedule to develop and implement a Solvent Management Plan with due dates for each of the tasks involved. The proposed schedule is subject to prior approval by the City.
	c.) I have provided a proposed schedule to develop and implement a Solvent Management Plan.
	Yes [ ] No [ 料] Page 17 of 19 Rev. 9/14/98
	1 450 17 01 17

# INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION SECTION IV: SIGNATURES & CERTIFICATIONS

The <u>Qualified Professional Certification</u> pertains to the actual preparer of this form if different than the Responsible Corporate Official. Said person could be a consultant or professional engineer hired to gather and prepare the required information for this application.

This form shall be signed by a <u>Responsible Corporate Official</u>, as defined in 40 CFR 403.12(l). Said person may be either a general partner, a corporate officer, or by a duly authorized representative who has responsibility for the overall operation of the facility that discharges process wastewater to the City's sewer.

# Photocopy the completed survey form for your records and return the original survey to:

Industrial Source Control Division
City of Portland Environmental Services
Water Pollution Control Laboratory
6543 N. Burlington Avenue
Portland, OR 97203-5452

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#### SECTION IV: SIGNATURES & CERTIFICATIONS

#### **Qualified Professional Certification:**

I hereby certify under penalty of law that this information was obtained in accordance with the applicable procedures and requirements as specified in the General Pretreatment Regulations and amendments thereto and the City's sewer use ordinance. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Traci Self	Environmental Manager
Name (print)	Title
Truci I. Self	9//3/99
Signature	Date

### Authorized Representative Statement: {40 CFR 403.6(a)(2)(ii)}

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief is true accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Amos Kamerer	Plant Manager			
Name (print)	Title			
A management of the second of	9/10/99			
Sagnature	Date			

### ATTACHMENT A PRIORITY POLLUTANTS

### Priority Pollutant Information

1. Indicate by placing an "X" in the appropriate space by each listed chemical whether it is Suspected to be Absent, Known to be Absent, Suspected to be Present, or Known to be Present in your manufacturing or service activity, or generated as a byproduct.

No.	Pollutant of Concern	Known	Suspected	Suspected	Known	Annual	Loss to
		Absent	Absent	Present	Present	Usage (lb/yr.)	Sewer (lb:/yr:)
1.	ammonia						
2.	asbestos (fibrous)						
3.	cyanide (total)						
4.	antimony (total)						
5.	arsenic (total)						
6.	beryllium (total)						
7.	cadmium (total)						
8.	chromium (total)						
9.	copper (total)			i			
10.	lead (total)						
11.	mercury (total)						1
12.	nickel (total)						
13.	selenium (total)						
14.	silver (total)						
15.	thallium (total)						
16.	zinc (total)						
17.	acenaphthene						
18.	acenaphthylene						
19.	acrolein				•		
20	acrylonitrile						
21.	aldrin						
22.	anthracene						
23.	benzene						
24.	benzidine						
25	benzo(a)anthracene						
26.	benzo(a)pyrene						
27.	benzo(b)fluoranthene						
28.	benzo(g,h,i)perylene						
29	benzo(k)fluoranthene						
30.	a-BHC(alpha)						
31.	b-BHC(beta)						
32.	d-BHC(delta)						
33.	G-BHC*(gamma)						
34.	bis(2-chloroethyl)ether						
35.	bis(2-chloroethoxy)methane						***************************************
36.	bis(2-chloroisopropyl)ether						
37.	bis(chloromethyl)ether						

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#### ATTACHMENT B PROCESS FLOW DIAGRAM

For each major activity in which wastewater is generated, draw a diagram of the flow of materials and water from start to completed activity, showing all unit processes generating wastewater. Number each unit process having wastewater discharges to the community sewer. Use these numbers when showing this unit process in the building layout in schematic. Use the space below or additional sheets of 8x11 paper. An example is provided on the other side of this sheet. Using this example as a guide, diagram the flow of materials and water from the start of each process to the completed product or activity. Show all unit processes generating wastewater. Indicate the process flow rates in gallons per day (gpd) with numbered steps keyed to building locations.

#### Instructions

#### PROCESS FLOW DIAGRAM

A Separate drawing should be completed for each major business activity.

A line drawing (schematic flow diagram) of each major business activity is to be completed either in the space below or drawn on separate sheet of paper (all sheets should be letter size). Number each process that generates wastewater using the same numbering system as in the building layout or plant site plan shown in the building layout schematic. An example of drawing required is shown below in Figure 1.

To determine your average daily volume and maximum daily volume of wastewater flow, you may have to read water meters, sewer meters, or make estimates of volumes that are not directly measurable.

INFORMATION CHAM.

### ATTACHMENT C BUILDING LAYOUT

Draw the location of each building on the premises. Show location of all current or planned water meters, storm drains, numbered unit processes (from process schematic(s)), community sewers and each side sewer connected to the community sewers, automatic sampling equipment (current or planned), location of pretreatment processes, treated flows and untreated flows, name and location of pertinent streets. Use flow schematic to indicate process and process discharge in gpd. Number each side sewer and show possible sampling locations (sampling manhole).

An attached blueprint or drawing of the facilities showing the above items may be substituted for a drawing on this sheet. Use the example on the back side of this sheet as a guide.

INFORMATION ON FILE

Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

MAR | 5 1999

March 10, 1999

Koppers Industries, Inc. William E. Swearingen 436 Seventh Ave. Pittsburgh, PA. 15219-1800

RE: Renewal of Industrial Wastewater Discharge Permit #314.001

Dear Mr. Swearingen:

Your Industrial Wastewater Discharge Permit (#314-001) will expire on October 1, 1999. Due to the nature of Koppers Industries, Inc. operations, it is necessary that your facility submit an application for renewal of your discharge permit.

I have made some notes inside the permit application that I mailed to you. If there have been changes in the operations at Koppers Industries, Inc. please ensure they are detailed in the application. In addition, please pay special attention to any changes in chemicals used at your facility. Your completed application must be postmarked by October 1, 1999.

A \$50.00 renewal fee is required prior to permit renewal and should be sent with your application.

Your current wastewater discharge permit will be extended until the permit is renewed.

If you have any questions or comments, please do not hesitate to contact me at 823-5556.

Respectfully,

Colleen F.G. Harold, Permit Manager

Colleen J. D. Harold.

Industrial Source Control Division, Bureau of Environmental Services.

Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

# INDUSTRIAL WASTEWATER DISCHARGE PERMIT APPLICATION

The City of Portland (the City) is required by the federally mandated Pretreatment Program (40 CFR 403.8(f)(2)), to develop and implement procedures that:

- (1) Identify and locate all possible Industrial and Commercial Users which might be subject to the Publicly Owned Treatment Works (POTW) Pretreatment Program requirements.
- (2) Characterize the type and volume of pollutants contributed to the POTW by the Industrial and Commercial Users as identified under (1) above.

By completing the *Industrial Wastewater Discharge Permit Application*, you are helping the City complete its requirements.

#### Confidential Information

As outlined in 40 CFR 403.14 (a)-(c) and ORS 192.430, any information submitted to the City under the Pretreatment Program requirements may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission in the manner prescribed on the application form or instructions, or, in the case of other submissions, by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, the City may make the information available to the public without further notice. If a claim is asserted, the information will be treated in accordance with the procedures in 40 CFR part 2 (Public Information) and ORS 192.440(2).

Information and data provided to the City under these requirements which is effluent data shall be available to the public without restriction.

All other information which is submitted to the State or POTW shall be available to the public at least to the extent provided by 40 CFR 2.302 and ORS 192.440(2).

If, at any time, there is insufficient space to complete an answer, continue your response on a separate piece of paper. Indicate the section and question number next to your response.

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# INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION SECTION I: GENERAL FACILITY INFORMATION

- 1. Enter the name of the company, *i.e.*, the name of the company legally responsible for this facility.
- 2. Enter the name of the facility, such as the name used on letterhead and/or correspondence or advertising.
- 3. Enter the street address where the facility is located.
- 4. Enter the *mailing* address of the facility, if different from the facility street address above.
- 5. Enter the name, title, telephone number, and fax number of the person who is most familiar with the facts reported on this form and who can be contacted by City staff. Generally, this person is the facility's maintenance supervisor or engineer.
- 6. Enter the approximate month and year that operations began, or are proposed to begin, otherwise use best estimate.

### INDUSTRIAL WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION I: GENER	RAL INFORMATION	
Confidential Information - Indicate those section confidential <u>as well as</u> your reasons for requiring can not be considered confidential.		
1. Koppers Industries Inc. (Company Name)		
(Company Ivanie)		•
2 Portland Terminal		
2. Portland Terminal (Facility Name)		
3. 7540 NW St. Helens (Facility Address, Street)	Road	
(Facility Address, Street)	)	
2		
Portland (City)	<u>OR</u>	97210-3663
(City)	(State)	(Zip Code)
4. Same as facility (Mailing Address, Street	(DO Pay)	
(Walling Address, Street	(PO. box)	
(City)	(State)	(Zip Code)
5 D il d Cil		
5. Provide the name of the person to contact	t on information contained in this	questionnaire:
A 12 V 1505		(12.70/ -2/91
Hnos Kamerer (Name)	<u>.</u>	<u>03-286-36<b>8</b>/</u> (Phone)
		(1.0.00)
Plant Manager (Title)	5	03-285 - 2831
(Title)		(Fax)
·		
6. Initial startup date of operations at this facility	ty:	

# INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION SECTION I: GENERAL FACILITY INFORMATION, Continued

- 7. Enter the name, title, telephone number, and fax number of the person who is responsible for responding or organizing a response to emergencies at this facility, and who can be contacted by City staff. These emergencies may include spills and chemical releases, fires, floods, or earthquakes.
- 8. Check the appropriate box and make the necessary changes or corrections to the enclosed document, if needed.

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### SECTION I: GENERAL FACILITY INFORMATION, Continued

7.	Person to b	e contacted	in case of	an eme	rgency	at this	facility:				
	Amos	Kame	er				· ·		503-8	86-3	68)
		Nam	e							Phone	
	Plant	Mana	ge/						503-J	85-2	831
		Title	•								Fax
8.		information o-to-date, and	-	ly subm	itted in	your f	acility's	Envir	onmental Su	rvey Part	//, still
		Yes	M	No	[ ]						
	{ }	A copy of yo	ur facility	's Envir	onmen	ıtal Sur	vey Part	II is in	cluded for y	our refere	nce.}
							_				

If you checked No, make the needed changes to the enclosed Environmental Survey Part II, initial and date all changes and send in the corrected copy of the Survey with the completed Permit Application.

# INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION SECTION II: FACILITY PROCESS FLOW INFORMATION

- 1. Provide the daily average flows discharged in gallons per day (gpd) for the last 12 months. For estimating sanitary flow, use 25 gallons per employee per day. Be as specific as possible. If the exact amount of water is not known for each item, then estimate the amount as best as possible and note how the estimation was determined.
- 2. Check the appropriate box and provide the necessary information.

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	SEE ATTACHEO	CILITY PROCESS FLOW I	NFORMAT	ION	-
1. I	GIH V	owing flows for each of your pro ier processes that may generate p		-	s (i.e., .
	Total Plant Flow in Gallo	ns Per Day (gpd) discharged to the	sanitary sewe	r collection sys	stem:
	Daily Average	27.5 Daily	Maximum	350	
	Individual Process Flows	in Gallons Per Day (gpd)			
	Process Do	escription	Average Flow, gpd	Maximum Flow, gpd	Type of discharge
Sani	tary		275	350	Batch
Discha	arge To Suitace W	laters (NPDES)!			
Boile	1 Blowdown/Storm	Water	21,302	52,580	Batch
			And of	Ar	X_
2. Is an	inspection or sampling ma	nhole structure available on-site?	Yes [	N	$\sim$ $\times$
•	If No, is one planned?		Yes [ ]	N	· X
	If Yes, provide location bel Attachment B).	ow and include as part of the proce	ess flow schem	natic (see also	
	Location description:				

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# INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION SECTION II: FACILITY PROCESS FLOW INFORMATION, Continued

- 3. Check the appropriate boxes and provide the required information.
- 4. Briefly describe any previous spills of raw materials, products, or process wastes that were or may have been discharged to the sewer collection system. Also list all corrective actions that were taken to clean-up the spills and procedures that were put in place to prevent a re-occurrence.

### SECTION II: FACILITY PROCESS FLOW INFORMATION, Continued

	r plan to have, automatic samp ment in use or included in futu		continuous waste	ewater flow
Current:	Flow Metering	Yes [ ]	No [Y	N/A [ ]
	Sampling Equipment	Yes [ ]	No [V	N/A [ ]
Planned:	Flow Metering	Yes [ ]	No [V]	N/A [ ]
	Sampling Equipment	Yes [ ]	No [V	N/A [ ]
	e the equipment below and indi w schematic in Attachment B:	cate the present or	future location o	of this equipment on
·				
<u> </u>				
<u> </u>				
from the fac	ribe below, or on a separate she cility. Also list the clean-up act vent a reoccurrence.			
Occasion	al spillage of	materials	from 1	loading /
Unloading	a operations. Par	ina and	diking	controls
are adea	val spillage of	Material	s. Most	materials
	ned up and re			
	waste is dispo			
		· · · · · · · · · · · · · · · · · · ·		
-				

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## INTRODUCTION: INDUSTRIAL WASTEWATER PERMIT APPLICATION SECTION III: FACILITY WASTEWATER INFORMATION

This section, in two parts, details the collection of the necessary quantitative wastewater information required to establish applicable pretreatment limits and monitoring requirements for each industrial user. Contact the Industrial Source Control Division if there are any questions on what limits apply, what parameters to sample, sampling requirements, and from where to take the samples. Samples should be taken of the final effluent prior to discharge to the City's sewer collection system. If there is more than one discharge of process wastewater to the City's sewer lines, photocopy this page and supply the analytical results for all process wastewater discharges.

Existing Facility: (report results in concentrations (mg/L) or mass (lbs))

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This includes a new business moving into an existing facility or a new business proposing to construct a new building. A new facility should be in compliance with applicable pretreatment standards upon commencement of discharge and is required to sample and submit the final compliance report within 30 days of commencement of discharge. Because no discharge of process wastewater has occurred, provide your best estimate of the discharge. This estimate shall be confirmed through monitoring of the facility's effluent.

### TABLE 1 APPLICABLE LIMITS: 1

Parameter	Suggested	Local	Sample Type,	Required	NO ADDITION
rarameter	Analysis Method 40 CFR 136	Local	Grab or Composite	Sampling	10.
Metals		- Zimut	Composite	s Braidhead Craice St	REGUIRED CLEH.
Arsenic	200.7	0.2 mg/L	Composite		1 4
Cadmium	200.7	0.7 mg/L	Composite		
Chromium	200.7	5.0 mg/L	Composite		
Copper	200.7	3.7 mg/L	Composite		
Lead .	200.7	0.7 mg/L	Composite		
Mercury	245.1	0.010 mg/L	Composite		
Molybdenum	200.7	1.4 mg/L	Composite		
Nickel	200.7	2.8 mg/L	Composite		
Selenium	200.7	0.6 mg/L	Composite		
Silver	200.7	0.4 mg/L	Composite		
Zinc	200.7	3.7 mg/L	Composite		
Non-Metals					
BOD₅	405.1		Composite		
Closed Cup Flash Point	ASTM D-93-80	>140 °F	Grab		1
Cyanide	335.2	1.2 mg/L	Grab		
Non-polar Fats, Oil, &	1664	110. mg/L	Grab		
Grease					,
· pH	150.1	5.0-11.5	Grab		
		S.U.			
Total Toxic Organics	624 & 625	2.13 mg/L			
Total Suspended Solids	160.2		Composite		
Sulfide	376.2	4 mg/L	Grab		
Individual Organic Compounds					
Pentachlorophenol	625	0.04 mg/L	Composite		
Chlorobenzene	624	0.2 mg/L	Grab		,
Chloroform	624	0.2 mg/L	Grab		
Trichloroethylene	624	0.2 mg/L	Grab		
1,2 Dichloroethane	624	0.5 mg/L	Grab		
2,4-Dinitrotoluene	625	0.13 mg/L	Composite		
Nitrobenzene	625	2.0 mg/L	Composite		
Acrylonitrile	603	1.0 mg/L	Grab		
Chlordane	625	0.03 mg/L	Composite		

This table lists the applicable Local Limits for all Permitted Industrial Users. Categorical Industrial Users may have additional limits that apply.

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# INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION SECTION III: FACILITY WASTEWATER INFORMATION

#### PART A. NON-CATEGORICAL INDUSTRIAL FACILITIES

- 1. Each Permitted Industrial User is required to perform self monitoring sampling and analyses to help document compliance with the pretreatment regulations. Provide the requested information even if all of the self monitoring analyses are performed by facility staff.
- 2. Provide the requested information. Most Commercial Laboratories participate in at least one performance evaluation or certification program to help insure and document that the data generated is valid and credible.
- 3.. After comparing the process wastewater data to the discharge limits that are listed in Table 1, check the appropriate box and complete as requested. Describe any additional O & M or installation of pretreatment equipment required to meet the listed discharge limits and attach a proposed compliance schedule. Specify the major events. After approval by the city, a Compliance Order will be put in place. Failure to comply with the approved schedule will subject the facility to enforcement actions.

### SECTION III: FACILITY WASTEWATER INFORMATION

PA	ART A. NON-CATEGORICAL I.
1.	Provide name and address of the commercial  APPLY TO KOPPERS  APPLY TO KOPPERS  INSTEAD, FILL  OUT PART B.
	(Laboratory Name)  OUT PART B.
	(Street Address)
	(City)
	(Phone) (Fax)
2.	List the Certification Program(s) in which the laboratory participates:
3.	Compliance Certification: Compare the sample results against the listed Local Limits (Table 1).  a.) Is the facility meeting applicable pretreatment standards on a consistent basis?  Yes [] No [] Don't Know []
	If Don't Know, then compliance must be evaluated after the baseline monitoring is completed.
	If No, do you require:
	b.) Additional operation and maintenance (O&M) to achieve compliance? Yes [ ] No [ ]
	c.) New or additional pretreatment facilities to achieve compliance? Yes [ ] No [ ]
	If additional O&M or new or additional pretreatment equipment will be required for the facility to meet pretreatment standards on a consistent basis, attach a description of what is required and a proposed schedule for completion of the work.
	d.) I have provided a compliance schedule.  Yes [ ] No [ ]
/	Describe the compliance schedule of events on a separate sheet. Detail what the proposed work entails and the proposed due dates for each of the tasks involved. The proposed compliance schedule is subject to prior approval by the City.

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# INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION SECTION III: FACILITY WASTEWATER INFORMATION, Continued

#### PART B. CATEGORICAL INDUSTRIAL FACILITIES

- 1. List each regulated process, its production rate (i.e. 1,000 lbs. of product per day), the process wastewater flow rate in gpd, the applicable SIC code, and the pretreatment category. If the exact flow rate is not known for each process, then estimate the amount as best as possible and note how the estimation was determined.
  - Baseline Monitoring Report: As per 40 CFR 403.12, each Categorical Industrial User must submit a Baseline Monitoring Report (BMR). This report should identify the nature and concentrations of all regulated pollutants. In the case of new facilities this report must be submitted 90 days prior to the start of discharge. Estimates may be used but these estimates shall be confirmed through final compliance monitoring and reporting of the facility's effluent. If the effluent samples were taken at one combined point, indicate alongside the regulated process line what process flows are co-mingled at the sampling point. Contact the City's Industrial Source Control Division for guidance on where to take samples and how many samples to take.
- 2. Each Permitted Industrial User is required to perform self monitoring sampling and analyses to help document compliance with the pretreatment regulations. Provide the requested information even if all of the self monitoring analyses are performed by facility staff.
- 3. Provide the requested information. Most Commercial Laboratories participate in at least one performance evaluation or certification program to help insure and document that the data generated are valid and credible.

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### SECTION III: FACILITY WASTEWATER INFORMATIC

Production Rate

### PART B. CATEGORICAL INDUSTRIAL FACILITIES

Regulated Process Description

1. Summarize each regulated process: (report concentrations in mg/L or mass i

Start
Here

sic Code

2845

Process Flow

				//			
Melting	*						
		·		<del> </del>	<del></del>		
				<u> </u>			
							<del></del>
					•		
Total plant flow: (I	n gallons per d	lay, gpd) _	NA				
•							
Provide name and a	ddress of the c	ommercial	l testing lab	(s) who is (are	) performing	g analyses	:
NA							
NA (Labo	ratory Name)						
	ratory Name)			·			
	ratory Name)						
(Labo	•						
(Labo	ratory Name)  Address)						
(Labo	•						
(Labo	Address)						
(Labo	Address)			(State)			p Code
(Labo	Address)			(State)		(Zi	p Code
(Street)	Address)						p Code
(Labo	Address)			(State)	· · · · · · · · · · · · · · · · · · ·	(Zi	p Code
(Street)	Address)					(Zi	p Code
(City)	Address)	n which the		(Fax)		(Zi	p Code
(Street) (City) (Phone	Address)		e laboratory	(Fax)  participates:		(Zi	p Code

# INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION SECTION III: FACILITY WASTEWATER INFORMATION, Continued

- 4. As discussed in question #1 of this subsection, a BMR includes sampling and analysis data of the facility's effluent. Daily maximum and average pollutant concentrations from each categorically regulated process must be reported. A report form is included as Attachment D. A minimum of four grab samples for pH, cyanide, phenols, oils & greases, sulfide, and volatile organics must be taken, if applicable to the facility's categorically regulated processes. For all other regulated pollutants, a 24 hour composite sample is required. All such samples must be representative of the facility's daily operations. After comparing the analysis data to the discharge limits listed in the appropriate subpart of 40 CFR and the Local Limits listed in Table 1, check the appropriate box and complete as requested. Describe any additional O & M or installation of pretreatment equipment required to meet the listed discharge limits and attach a proposed compliance schedule. Specify the major events, bench marks, needed to achieve compliance, as well as dates for completion of the events. After approval by the City, the compliance schedule will be in place. Failure to comply with the approved schedule will subject the facility to escalating enforcement actions.
- 5. Total Toxic Organics (TTOs): Facilities who use toxic organics, as listed by EPA in its published categorical pretreatment standards, are required to meet the TTO pretreatment standards. Each facility must initially sample for TTOs to determine compliance. After a facility is found to be in compliance with the TTO standard the Industrial User may adopt either a certification statement or a solvent management plan in lieu of having to periodically sample for toxic organics if these options are allowed under the facility's category. If you do not use toxic organics in your manufacturing process, you may not be required to sample for TTO. Contact the City's Industrial Source Control Division for guidance.

Check the appropriate boxes.

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### SECTION III: FACILITY WASTEWATER INFORMATION, Continued

<b>1</b> .	Compliance Certification: Compare the sample results against the listed Categorical Standards and those listed in the Local Limits (Table 1).
	a.) Is the facility meeting applicable pretreatment standards on a consistent basis?
	Yes [ No [ ] Don't Know [ ] NA - No Process Wastewater Discharge
	If Don't Know, then compliance must be evaluated after the baseline monitoring is completed.
	If No, do you require:
	b.) Additional operation and maintenance (O&M) to achieve compliance?
	Yes [] No [ Y
	c.) New or additional pretreatment facilities to achieve compliance?
	Yes [ ] No [ 🗸
	If additional O&M or new or additional pretreatment will be required for the facility to meet pretreatment standards on a consistent basis, attach a description of what is required and a proposed schedule for completion of the work.
	d.) I have provided a compliance schedule.
	Yes [ ] No [ V)
	Describe the compliance schedule of events on a separate sheet. Detail what the proposed work entails and the proposed due dates for each of the tasks involved. The proposed compliance schedule is subject to prior approval by the City.
	Total Toxic Organics (TTOs): Facilities covered by a TTO pretreatment standard must initially sample for the listed TTOs to help determine compliance. Contact the City's Industrial Source Control Division for a listing of the TTOs applicable to your industrial category. See also the table in Attachment A.
	a.) We presently use or plan to use toxic organics listed in the categorical pretreatment standards.
	Yes [ ] No [ V If "Yes" then:
	b.) A solvent management plan has been developed and is attached.
	Yes [ ] No [ V
	If "No," attach a proposed schedule to develop and implement a Solvent Management Plan with due dates for each of the tasks involved. The proposed schedule is subject to prior approval by the City.
	c.) I have provided a proposed schedule to develop and implement a Solvent Management Plan.
	Yes [ ] No [ V
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# INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION SECTION IV: SIGNATURES & CERTIFICATIONS

The <u>Qualified Professional Certification</u> pertains to the actual preparer of this form if different than the Responsible Corporate Official. Said person could be a consultant or professional engineer hired to gather and prepare the required information for this application.

This form shall be signed by a <u>Responsible Corporate Official</u>, as defined in 40 CFR 403.12(1). Said person may be either a general partner, a corporate officer, or by a duly authorized representative who has responsibility for the overall operation of the facility that discharges process wastewater to the City's sewer.

# Photocopy the completed survey form for your records and return the original survey to:

Industrial Source Control Division
City of Portland Environmental Services
Water Pollution Control Laboratory
6543 N. Burlington Avenue
Portland, OR 97203-5452

#### SECTION IV: SIGNATURES & CERTIFICATIONS

#### **Qualified Professional Certification:**

Signature

I hereby certify under penalty of law that this information was obtained in accordance with the applicable procedures and requirements as specified in the General Pretreatment Regulations and amendments thereto and the City's sewer use ordinance. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

1 RACI Self	Envisoren entre stroker.
Name (print)	Title
	·
Signature	Date
Authorized Representative Statement: {40 CFR 403	3.6(a)(2)(ii)}
Authorized Representative Statement: {40 CFR 403 certify under penalty of law that this document and all atta supervision in accordance with a system designed to assure the information submitted. Based on my inquiry of the perspersons directly responsible for gathering the information, to the complete of the perspension of the perspen	chments were prepared under my direction or that qualified personnel properly gather and evaluate on or persons who manage the system or those he information submitted is, to the best of my ware that there are significant penalties for
certify under penalty of law that this document and all atta upervision in accordance with a system designed to assure he information submitted. Based on my inquiry of the pers persons directly responsible for gathering the information, to chowledge and belief is true accurate, and complete. I am a	chments were prepared under my direction or that qualified personnel properly gather and evaluate on or persons who manage the system or those he information submitted is, to the best of my ware that there are significant penalties for

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Date

### **ATTACHMENT A PRIORITY POLLUTANTS**

### Priority Pollutant Information .

1. Indicate by placing an "X" in the appropriate space by each listed chemical whether it is Suspected to be Absent, Known to be Absent, Suspected to be Present, or Known to be Present in your manufacturing or service activity, or generated as a byproduct.

No.	Pollutant of Concern	Known	Suspected	Suspected	Known	Annual	Loss to
		Absent	Absent	Present	Present	Usage (lb:/yr.)	Sewer (lb/yr.)
1.	ammonia						
2.	asbestos (fibrous)		=				
3.	cyanide (total)						
4.	antimony (total)						
5.	arsenic (total)						
6.	beryllium (total)						
7.	cadmium (total)				•		
8.	chromium (total)						
9.	copper (total)						
10.	lead (total)						
11.	mercury (total)						
12.	nickel (total)						
13.	selenium (total)						
14.	silver (total)						
15.	thallium (total)						
16.	zinc (total)		,	· · · · · · · · · · · · · · · · · · ·			
17.	acenaphthene						
18.	acenaphthylene						
19.	acrolein						
20	acrylonitrile						
21.	aldrin						
22.	anthracene						
23.	benzene						
24.	benzidine						
25	benzo(a)anthracene						
26.	benzo(a)pyrene						
27.	benzo(b)fluoranthene					<u> </u>	
28.	benzo(g,h,i)perylene						
29	benzo(k)fluoranthene					Ţ.	
30.	a-BHC(alpha)						
31.	b-BHC(beta)						
32.	d-BHC(delta)						
33.	G-BHC*(gamma)					•	
34.	bis(2-chloroethyl)ether						
35.	bis(2-chloroethoxy)methane						
36.	bis(2-chloroisopropyl)ether				<u> </u>		
37.	bis(chloromethyl)ether						

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38.	bromodichloromethane	1			T		T
39.	bis(2-ethythexyl)phthalate	<del> </del>			<del> </del>	<del> </del>	
40.	bromoform			<del> </del>	<del> </del>		
41.	bromomethane				<del></del>	<del> </del>	
42.							
43.	4-bromophenyl phenylether butylbenzyl phthalate			<del> </del>	ļ · · · · · · · · · · · · · · · · · · ·		<del> </del>
44.	carbon tetrachloride						
45.	chlordane	-			<del></del>	<del> </del>	-
46.	4-chloro-3-ethylphenol				<del> </del>	<del> </del>	
47.	chlorobenzene				<del> </del>		
48.	chloroethane					<del> </del>	
49.	2-chloroethylvinyl ether	<del> </del> -			<del>                                     </del>	<del></del>	
50.	chloroform		<del> </del>				
51.	chloromethane						
52.	2-chloronaphthalene						
53.	2-chlorophenol		<del> </del>		<del> </del>		
54.	4-chlorophenylphenyl ether						
55.	chrysene	<del>                                     </del>				-	
56.	4,4'-DDE						
57.	4,4'- DDD 4,4'- DDD						
58.	4,4'-DDT						
59.	dibenzo(a,h)anthracene			· · · · · · · · · · · · · · · · · · ·			
60.	dibromochloromethane	<del> </del>					·
61.	1,2-dichlorobenzene	<del></del>				<del></del>	
62.	1,3-dichlorobenzene						
63.	1,4-dichlorobenzene						
64.	3,3-dichlorobenzidine						· -
65.	dichlorodifluoromethane						
66.	1,1-dichloroethane						
67.	1,2-dichloroethane		<del></del>				
68.	1,1-dichloroethene						
69.	trans-1,2-dichloroethene				*		
70.	1,4-dichlorophenol						
71.							
72.	1,2-dichloropropane						
73.	(cis&trans)1,3-dichloropropene					,	
74.	dieldrin						
	diethyl phthalate						
75.	2,4-dimethylphenol						
76.	dimethyl phthalate						
77.	di-n-butyl phthalate						
78.	di-n-ocytl phthalate						
79.	4,6-dinitro-2-methylphenol						
80.	1,4-aminophenoi						
81.	1,4-dinitrotoluene						
82.	2,6-dinitrotoluene						
83.	1,2-diphenythydrazine						
84.	endosulfan t						
85.	endosulfan tt						
86.	endosulfan sulfate						

n		<del>,</del>	<del>,</del>	<del></del>	<del>,</del>		<del></del>
87.	endrin	<u> </u>	ļ				
88.	endrin aldehyde	<u> </u>					
89.	ethylbenzene	<u> </u>	<u> </u>			<u> </u>	
90.	fluoranthene	<u> </u>	<u> </u>		<u> </u>	<u> </u>	
91.	fluorene	<u> </u>					
92.	heptachlor						
93.	heptachlor epoxide	]					
94.	hexachlorobenzene						
95.	hexachlorobutadiene						
96.	hexachlorocyclobentadiene						
97.	hexachloroethane						
98.	indeno (1,2,3-cd)pyrene						
99.	isophorone						
100.	methylene chloride						
101.	naphthalene						
102.	nitrobenzene						
103.	2-nitrophenol	1					
104.	4-nitrophenol						
105.	n-nitroso-dimethylamine						
106.	n-nitroso-dipropylamine						
107.	n-nitroso-diphenylamine						
108.	PCB-1016						
109.	PCB-1221						
110.	PCB-1232	1					
111.	PCB-1242						
112.	PCB-1248						
113.	PCB-1254						
114.	PCB-1260						
115.	pentachlorophenol		<del> </del>				
116.	phenyl anthracene						
117.	phenol	<del>                                     </del>	<del> </del>				
118.	pyrene		<del> </del>				
119.	2,3,7,8-tetrachlorodibenzo-p-dioxin						
120.	1,1,2,2-tetrachloroethane					<del> </del>	
121.	tetrachloroethene		<del></del>				
122.	toluene						
123.	toxaphene		<del></del>				
124.	1,2,4-trichlorobenzene	<del>                                     </del>					
125.	1,1,1-trichloroethane	<del> </del>					
126.	1,1,2-trichloroethane						
120.	trichloroethene		<del> </del>				
127.	trichlorofluoromethane	· · · · · ·	<del> </del>				ļ
129.			<del> </del>				
130.	2,4,6-trichlorophenol	<b></b>					
130.	vinyl chloride		L	L			<u> </u>

### ATTACHMENT B PROCESS FLOW DIAGRAM

For each major activity in which wastewater is generated, draw a diagram of the flow of materials and water from start to completed activity, showing all unit processes generating wastewater. Number each unit process having wastewater discharges to the community sewer. Use these numbers when showing this unit process in the building layout in schematic. Use the space below or additional sheets of 8x11 paper. An example is provided on the other side of this sheet. Using this example as a guide, diagram the flow of materials and water from the start of each process to the completed product or activity. Show all unit processes generating wastewater. Indicate the process flow rates in gallons per day (gpd) with numbered steps keyed to building locations.

#### **Instructions**

#### PROCESS FLOW DIAGRAM

A Separate drawing should be completed for each major business activity.

A line drawing (schematic flow diagram) of each major business activity is to be completed either in the space below or drawn on separate sheet of paper (all sheets should be letter size). Number each process that generates wastewater using the same numbering system as in the building layout or plant site plan shown in the building layout schematic. An example of drawing required is shown below in Figure 1.

To determine your average daily volume and maximum daily volume of wastewater flow, you may have to read water meters, sewer meters, or make estimates of volumes that are not directly measurable.

INFORMATION ON FILE

#### ATTACHMENT C BUILDING LAYOUT

Draw the location of each building on the premises. Show location of all current or planned water meters, storm drains, numbered unit processes (from process schematic(s)), community sewers and each side sewer connected to the community sewers, automatic sampling equipment (current or planned), location of pretreatment processes, treated flows and untreated flows, name and location of pertinent streets. Use flow schematic to indicate process and process discharge in gpd. Number each side sewer and show possible sampling locations (sampling manhole).

An attached blueprint or drawing of the facilities showing the above items may be substituted for a drawing on this sheet. Use the example on the back side of this sheet as a guide.

INFORMATION ON FILE

Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

#### NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards, 40 CFR 414 that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules.

Facility Name:

Koppers Industries

Address:

7540 NW St Helens Rd.

Portland, OR 97210

Reporting Period:

From January 1, 1999

To June 30, 1999

THIS REPORT DUE TO THE CITY BY: July 15, 1999

## CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATER HAVE OCCURRED

Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature:

Title:

Date:

A.S. KAMEREN

Cc: T. Self, KII

Al! self-monitoring reports (SMR) must include the following to be considered complete. For more detailed information regarding these items, please refer to the colored reference sheet. If you have any questions, please contact your permit manager for assistance.

Self M	Self Monitoring Report Check List:							
0	Chain of Custody form							
	Analytical Results with Method Detection Limits (MDL)							
	QA/QC Results, if applicable							
	Signed Signatory Certification Statement (Printed on bottom of SMR)							
σ	Completed Self Monitoring Report form							
Whene	ever appropriate:							
	Hand Composite Sample form							
	Copies of pH charts showing the violation							
О	Calculations of monthly average							
	Any other required reports							

To assure prompt delivery, mail all monitoring results to:

Industrial Source Control Division Water Pollution Control Laboratory 6543 N. Burlington Avenue Portland, OR 97203-5452

Attn: <Your permit manager's name here>



# ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

### INDUSTRIAL USER INSPECTION FORM

SITE ADDRESS: 7540	NW St	HELEHS RO	<i></i>	Portland, OR	97210
INSPECTION TYPE:   Mine	or 💆	Major 🗆 Pro	e-permitting	□ Other:	
DESCRIBE THE PROCESS(ES)/	OPERATIO	ON(S) INSPECTEI	):		
DIESEL STORACIE	, TANK	FARID, NEW	FOOT BR	100E + T	RAUSMISSIOU LINE
PRETREATMENT SYSTEM:	CONDITI	ON & OPERATIO	·N	СОММЕ	NTC
	good	needs improvemen		COMME	
□ Clarifier \(\hat{\cappa}\) \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					
Oil & Water Separator					
$\Box$ pH adjustment $\mathcal{V}_{/\mathcal{K}}$			62 5° 3°		
Other Wes			AN FAMILY AND F		
POINT(S) OF COMPLIANCE:					
LOCATION/CODE		ON & OPERATIO	and the second second	COMMI	INTS
	. good ⊡	needs improve	ment	ant da Ogazi gen terrenj	Contract of the contract of th
1.	. Ş1. 				
2:	L		170 190 120	<ul><li>(2) 対 対 対対 (2)</li></ul>	Activities the second s
2. 2. 5 (1)	П	П٠			
3. 7. 7. 1. 1					
RECORDS   ASPP			SHEET [		
RECORDS   ASPP					
RECORDS   REVIEW:   CALI	BRATION				ION
RECORDS   ASPP REVIEW:   CALI  SLUDGE DISPOSAL:  PROCESS  1. RAKE SMALL SPILLS	BRATION	□ FACT LOG □ PERM  HAULER	iiT [	OTHER:	
3.  RECORDS □ ASPP REVIEW: □ CALI  SLUDGE DISPOSAL:  PROCESS  1. Race small spills  2.	BRATION I	□ FACT LOG □ PERM  HAULER	iiT [	OTHER:	ION NDFILLED:
RECORDS   ASPP REVIEW:   CALI  SLUDGE DISPOSAL:  PROCESS  1. FARCE SMALL SPILLS	BRATION I	□ FACT LOG □ PERM  HAULER	iiT [	OTHER:	
3.  RECORDS □ ASPP REVIEW: □ CALI  SLUDGE DISPOSAL:  PROCESS  1. FARE SMALL SPILLS  2. 3.	BRATION I	□ FACT LOG □ PERM  HAULER	iiT [	OTHER:	
3.  RECORDS □ ASPP REVIEW: □ CALI  SLUDGE DISPOSAL:  PROCESS  1. Race small spills  2.	BRATION I	□ FACT LOG □ PERM  HAULER	iiT [	OTHER:	
3.  RECORDS □ ASPP REVIEW: □ CALI  SLUDGE DISPOSAL:  PROCESS  1. FORC SMALL SPILLS  2.  3.	BRATION I	□ FACT LOG □ PERM  HAULER	iiT [	OTHER:	
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RECORDS   ASPPREVIEW:   CALI SLUDGE DISPOSAL: PROCESS  1. Race small spills 2. 3. GENERAL INSPECTION NOTE	BRATION I	□ FACT LOG □ PERM  HAULER	iiT [	DESTINAT	NDFILLED.
RECORDS ASPEREVIEW: CALI SLUDGE DISPOSAL: PROCESS  1. RACE SMALL SPILLS  2. 3. GENERAL INSPECTION NOTE  FOLLOW-UP ACTION(S):	BRATION I	□ FACT LOG □ PERM  HAULER  UASTE	iiT [	OTHER:	NDFILLED.
RECORDS   ASPPREVIEW:   CALI  SLUDGE DISPOSAL:  PROCESS  1. Race small spills  2. 3.  GENERAL INSPECTION NOTE	BRATION I	□ FACT LOG □ PERM  HAULER  UASTE	iiT [	DESTINAT	NDFILLED.
RECORDS ASPEREVIEW: CALI SLUDGE DISPOSAL: PROCESS  1. RACE SMALL SPILLS  2. 3. GENERAL INSPECTION NOTE  FOLLOW-UP ACTION(S):	BRATION I	□ FACT LOG □ PERM  HAULER  UASTE	iiT [	DESTINAT	NDFILLED.
RECORDS ASPEREVIEW: CALI SLUDGE DISPOSAL:  PROCESS  1 FORE SMALL SPILES  2. 3.  GENERAL INSPECTION NOTE  FOLLOW-UP ACTION(S):  1 PRISMAN RENEWAL  2 3.	SE DUE OF	□ FACT LOG □ PERM  HAULER  UASTE	######################################	DESTINAT	NDFILLED.
RECORDS ASPEREVIEW: CALI SLUDGE DISPOSAL: PROCESS  1 FORE SMALL SPILES  2 3.  GENERAL INSPECTION NOTE  FOLLOW-UP ACTION(S):  1 PRICENT RENEWAL  2 3.	BRATION I	□ FACT LOG □ PERM  HAULER  UASTE	MT	DESTINAT	TE(S)
RECORDS ASPEREVIEW: CALI SLUDGE DISPOSAL: PROCESS  1. FORCE SMALL SPILES  2. 3.  GENERAL INSPECTION NOTE  FOLLOW-UP ACTION(S):  1. PRIZMATE RENEWAL  2. 3.	SE DUE OF	□ FACT LOG □ PERM  HAULER  UASTE	######################################	DESTINAT	TE(S)

Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

July 29, 1999

Amos Kamerer Koppers Industries Inc. 7540 NW St. Helens Rd. Portland, OR 97229

RE: Facility Inspection of June 23, 1999.

Dear Mr. Kamerer:

Thank you for your time and cooperation during the recent inspection of your facility. There were no issues requiring attention noted during the inspection and Koppers appears to be doing a good job of complying with the conditions of its NPDES permit. The City of Portland appreciates your efforts.

Sincerely

John Holtrop

**Industrial Stormwater Section** 

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Aud - 3 1899

KOPPERS INDS, INC. PORTLAND OR CC: J. Picts T. Self



# ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

SITE ADDRESS:	ff	D Inlus NW Sc		રી.	Porti	and, OR	***************************************
INSPECTION TYPE	: 🗆 Min	or Ma	ijor 🗆	Pre-perm	itting 🗆	Other:	•••••••••••
DESCRIBE THE PRO	OCESS(ES)/	OPERATION	(S) INSPE	CTED:			
PRETREATMENT S	YSTEM:	CONDITION	& OPERA			COMMENTS	
☐ Clarifier				remem [	No Del	cliance of T	10000
☐ Oil & Water Separ	ator			ľ	Water -	TYV	
□ pH adjustment				<u> </u>			
Other							
POINT(S) OF COMP	LIANCE:						
LOCATION/CO		CONDITION			•	COMMENTS	
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2.	#300		•		Proce	s cuesto	uster
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RECORDS REVIEW:	□ ASPE	o IBRATION LO		FACT SHEE PERMIT		OMP THER:	
SLUDGE DISPOSAL	<b>.:</b>		ŕ				
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GENERAL INSPECT	uu se		71 61		TA Here	NED INCED	we me
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Koppers a for Ha produce - Loppers	nale A  nale A  Jon  onle 5t  ON(S):	they Bu	tréos	made of t	Cefined To	DUE DATE(S)	ODX fac

(signature) DATE:

CC; TRAC; Self

CITY USE ONLY

Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

July 6, 1998

Amos Kamerer Koppers Industries 7540 NW St. Helens Hwy. Portland, OR 97210

RE: Facility Inspection of June 23, 1998.

Dear Mr. Kamerer:

Thank you for your time and cooperation during the recent inspection of your facility. Koppers appears to be doing a good job of managing potential pollutants on site and preventing their discharge to the storm sewer. The City appreciates your efforts to minimize stormwater pollution. If you have any questions you can call me at 823-7885.

Sincerely

John Holtrop

**Industrial Stormwater Section** 

CC: T. Self, 4-1800

RECEIVED

1998 0 7 **1998** 

KOPPERSINDS, INC. PORTLAND. OR



Buildings • Planning • Transportation

# Charlie Hales Commissioner, City of Portland

Phone:503/823-4682 FAX:503/823-4040 e-mail:chales@ci.portland.or.us Web site: http://www.ci.portland.or.us/hales

May 19, 1999

Amos Kamerer Koppers Industries 7540 NW St. Helens Road Portland, OR 97210

#### Dear Amos:

I am writing to you because you and 180 other Portland businesses hold Industrial Waste permits. As you may know, the city's Bureau of Environmental Services is proposing changes to the fees charged for these permits as part of the regular adjustments to BES fees and rates. City Council will take action on the proposal this week, and I want to share my position with you.

I was very impressed with the testimony I heard last week at the first Council hearing on this issue. Permit holders made some valid arguments about the impacts this proposal would have on their businesses. I share your concerns about the true costs of administering this regulation. We must be sure that the fees charged reflect the actual cost of inspections program, and that they are done as efficiently and cost-effectively as possible. Because of this, I support Commissioner Saltzman's amendment to the proposal, which directs BES to develop a system that will track and review actual costs. We need this assurance in order to support the program and the fees charged before we commit to further fee increases.

I am not convinced that it is reasonable or fair to expect to achieve full "cost recovery" from the affected businesses immediately. Phasing in these fees over a period of time makes sense, and gives businesses an opportunity to work with the bureau to identify ways to reduce program costs. I support a partial cost recovery rate for the first year, but I will not support raising this rate next year without the support of the Public Utility Review Board and without some analysis about the cost recovery level that is appropriate for the program, the agency, and the industries affected.

Finally, I am concerned that the City's overall economic development goals may conflict with our fee policies. We want to continue to create incentives for the business community to remain in the City of Portland. Our Target Industries strategy specifies the

industries that we count on to maintain our employment base, with a particular emphasis on food processing metals. These same industries may be adversely affected by the proposed fees, and we need to balance these interests.

I am very appreciative of the work done by the Portland Wastewater Treatment Association on this issue. With your advice and involvement, I hope we can craft an industrial permit program which is fair, but which does not make Portland inhospitable to business. Thank you for providing the City Council with a strong argument for caution in this matter.

Sincerely,

Charlie Hales

Charie

# RECEIVED

MAY 2 1 1999

KOPPERS INDS, INC. PORTLAND OR

Kannaraadaa

Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

April 15, 1999

Amos S. Kamerer Plant Manager Koppers Industries 7540 NW St. Helens Rd. Portland, OR 97210

Dear Amos S. Kamerer:

As you are probably aware, City Council has directed the Bureau of Environmental Services to examine methods to charge customers who receive specific services or generate specific costs, for the service received or expense incurred. Permitted industrial customers are among those to whom this direction applies. In response to the Council directive, the Bureau has developed two methods of charging for the costs of administering the pretreatment program regulatory oversight. One method, developed by the City and provided to you last November 1998, uses a risk/effort-based approach to establish fees. The second method, developed by an outside independent consultant, is an activity-based system which uses an average cost approach for various activities associated with regulatory requirements.

Any fee system that is adopted will be cost neutral to commercial customers in the aggregate. The pretreatment program costs are currently covered through commercial flow charges. These pretreatment program costs will be eliminated from commercial flow charges as the fees are implemented.

City Council will be considering a proposal to begin this cost of service fee system in January 2000, at the May 12, 1999 meeting. We expect that the fee will be implemented on a phased basis as follows: 1/3 of the fee will be charged from January 2000 through June 2000, 2/3 from July 2000 through June 2001, and the full fee charged for the July 2001 through June 2002 fiscal year. We would like that proposal to be the one you feel is best from an industrial user perspective. Therefore we would like your comments and preference relative to these two systems in order to make a selection between the two.

Attached are sheets showing the individual annual charge, which would relate to each company or permit held by a company, under both of these proposals. As you look at the attachments, the one entitled "Examples of Industrial Waste Pretreatment Program Fees" has six columns which, relate to the activity-based system (the first six from the left). The last column entitled "Tiered Point System Charge" provides charges for the risk/effort system.

The attachment entitled "Permit Ranking Criteria" delineates the rating criteria associated with a particular activity or potential risk at any permitted facility. Factors used in the rating process include wastewater discharge flow, industrial user classification, permit status (new or renewed), regulatory history, monitoring frequency, inspection requirements, and other technical information. Based on the rating, an industrial user is placed into one of five tiers, which are as follows: >125, 75-124, 50-74, 25-49 and 1-24. You will notice that groups of industries have the same fee because of this tier arrangement.

	PENINI DANNING UNITEDIA	M	Total Po	ints =	
Factor	Wastewater Discharge Flow	Points	0 or 1 *	# POC **	
	> 250,000	32			
	100,000 to 250,000	16			
	50,000 to 100,000	8	- C- 20 (000 000 000 000 000 000 000 000 000		
	25,000 to 50,000	4	0		
	10,000 to 25,000	2	0		
	5,000 to 10,000	1	0	-	
	< 5,000	0	0		
		<del>                                     </del>		Subtotal	
,, <u>,</u> -	IU Classification				
3	Discharging CIU, calculated limits	8	0)	<del></del>	
	Discharging non-CIU, calculated limits	8			
	Discharging CIU, pretreat >= 5 pol.	6	ō		
	Discharging CIU, pretreat < 5 pol.	5	0		
	Non-CIU, pretreat > 5 pol.	4	0		
	Non-CIU, pretreat 3 to 5 pol.	3	0	<del></del>	
	Non-CIU, pretreat < 3 pol.	2	(0)		
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2	New (first 12 months)	9	0		
	Renewal	3	ń		
				Subtotal	
	Self-monitoring Frequency				
5	Monthly	4	0	0	
	Bi-monthly	3	ര		
	Quarterly	2	0		
	Semi-annually	1	ര	0	
	Con a andany	<del>                                     </del>		Subtotal	
	City monitoring Frequency	<del> </del>		Subtotal	
3	Monthly	4	0		
	Bi-monthly	3	0	0	
	Quarterly		0	0	
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	>5 violations, any type, previous year	6	0_		
	Limits violations, previous year	5	0		
	Reporting violations, previous year	3	<u> </u>		
	Violations 2 -3 years ago, any type or number	1	0		
11	No violations for previous 3 years	0	U		

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Bulk Liquid Che					
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Single container 50,000		4		0	(
Single container 5,000 to	50,000 gal	3			
Single container 500 to 5		2		) ·	(
Single container 55 to 50	0 gal	1			
No storage		C		Ď	(
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Container Storage (55	gal drum or smaller)				
1 > 50 drums		4		0	
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5 to 20 drums		2	(		C
<= 4 drums	***************************************	1	(0		C
No storage		0			0
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Bulk Mobile So	olids Storage		<u> </u>		
1 > 10 cubic yards	711do Otorago	2	(0		0
< 10 cubic yards	-,	1 1	6		0
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1 Industrial stormwater	ory r cirino	1			0
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3 Smplg insp - batch disch	- nignt smpig	<del></del>	0		0
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1 SNC		5	0		0
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NOTE: End on data to the					
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* 0 or 1 = enter '1' to selec					
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		riellealine	nt Program F	662			
en a service de la companya del companya del companya de la compan					Expected		Tiered Point
	Annual	Inspection		Sampling	Analysis	Fee System	<ul> <li>System</li> </ul>
Company Name	Permit Fee	Fees	Report Fees		Charge	Total	Charge
ALPENROSE DAIRY							
	\$ 2,044	<u> </u>	\$ 941	<del></del>		\$ 3,978	\$ 3,228
AMERICAN INDUSTRIAL	\$ 2,044	<del></del>	\$ 538	<del></del>	<del></del>	\$ 4,429	\$ 4,581
AMERICAN LINEN	\$ 2,044	\$ 814	\$ 538			\$ 4,415	\$ 4,581
ANODIZING INC (21ST)	\$ 2,044	\$ 814	\$ 403		_ <del></del>	\$ 5,613	\$ 9,001
ANODIZING INC (6TH)	\$ 2,044	\$ 814	\$ 403		<del></del>	\$ 3,896	\$ 4,581
ANODIZING INC (Rvr)	\$ 2,044	\$ 814	\$ 269		<del></del>	\$ 5,478	\$ 1,975
ANODIZING INC (Sky)	\$ 2,044	\$ 814	\$ 269	\$ 448	\$ 190	\$ 3,765	\$ 3,228
ANTIQUE ARTS METAL CRAFTS	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 1,107	\$ 4,816	\$ 3,228
ARAMARK UNIFORM SERVICES INC	\$ 2,044	\$ 814	\$ 941	\$ 448	\$ 2,082	\$ 6,329	\$ 4,581
BLACKLINE INC.	\$ 2,044	\$ 814	\$ 1,209	\$ 1,053	\$ 2,125	\$ 7,246	\$ 4,581
BLISS REPAIR SHOP	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 1,121	\$ 4,831	\$ 3,228
BLITZ WEINHARD CO	\$ 2,044	\$ 814	\$ 1,613	\$ 874	\$ 200	\$ 5,544	\$ 9,001
BRITE-SOL	\$ 2,044	\$ 814	\$ 1,075	\$ 291	\$ 755	\$ 4,980	\$ 4,581
CHEVRON USA INC	\$ 2,044	\$ 814	\$ 941	\$ 448		\$ 4,680	\$ 4,581
CHEVRON USA-WILLBRIDGE	\$ 2,044	\$ 814	\$ 403	\$ 146	\$ 383	\$ 3,790	\$ 4,581
CINTAS CORP	\$ 2,044	\$ 814	\$ 1,075	\$ 594	\$ 580	\$ 5,107	\$ 4,581
COCA COLA USA SYRUP DIV	\$ 2,044	\$ 814	\$ 1,075	\$ 291	\$ 67	\$ 4,291	\$ 4,581
COLUMBIA AMERICAN PLATING	\$ 2,044	\$ 814	\$ 1,075	\$ 594	\$ 1,334	\$ 5,861	\$ 3,228
COLUMBIA WOOL SCOURING MILL	\$ 2,044			\$ 448	\$ 1,000	\$ 4,843	\$ 3,228
CONTINENTAL BRASS					+- <del></del>		
	\$ 2,044	\$ 814	\$ 1,075	\$ 896	\$ 703	\$ 5,532	\$ 4,581
"CUSTOM-KOTE CO	\$ 2,044	\$ 814	\$ 269	\$ 146	\$ -	\$ 3,273	\$ 3,228
DARIGOLD INC	\$ 2,044	\$ 814	\$ 1,613	\$ 874	\$ 200	\$ 5,544	\$ 9,001
DOUBLETREE	\$ 2,044	\$ 814	\$ 941	\$ 146	\$ 199	\$ 4,143	\$ 3,228
DURA INDUSTRIES INC	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 1,975	\$ 5,684	\$ 3,228
EAST SIDE PLATING 2&3	\$ 2,044	\$ 814	\$ 1,075	\$ 896	\$ 837	\$ 5,667	\$ 9,001
EAST SIDE PLATING 4	\$ 2,044	\$ 814	\$ 1,075	\$ 896	\$ 703	\$ 5,532	\$ 4,581
EAST SIDE PLATING 5	\$ 2,044	\$ 814	\$ 1,075	\$ 896	\$ 703	\$ 5,532	\$ 4,581
ELECTRO-CHEM METAL FINISH	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 1,414	\$ 5,123	\$ 4,581
ESCO CORPORATION	\$ 2,044	\$ 814	\$ 269	\$ 448	\$ 1,832	\$ 5,407	\$ 4,581
ESCO CORPORATION (PLANT #3)	\$ 2,044	\$ 814	\$ 269	\$ 448	\$ 362	\$ 3,937	\$ 3,228
···EXXCELLO	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 143	\$ 3,853	\$ 3,228
FRED MEYER INC DAIRY PLANT	\$ 2,044	\$ 814	\$ 1,075	\$ 291	\$ 67	\$ 4,291	\$ 9,001
FREIGHTLINER CORP-PARTS MFG	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 1,301	\$ 5,010	\$ 4,581
FREIGHTLINER CORP-TRUCK MFG	\$ 2,044	\$ 814	\$ 538	\$ 448	\$ 1,233	\$ 5,077	\$ 4,581
G S ROOFING PRODUCTS CO INC	\$ 2,044	\$ 814	\$ 403	\$ 146	\$ 199	\$ 3,606	\$ 3,228
GATX TERMINALS CORPORATION	\$ 2,044	\$ 814	\$ 941	\$ 448	\$ 1,250	\$ 5,497	\$ 4,581
GRANPAC FOODS INC	\$ 2,044		\$ 403	\$ 146	\$ 33	\$ 3,440	\$ 3,228
GRAZIANO PRODUCE COMPANY	\$ 2,044	\$ 814	\$ 538	\$ 291	\$ 67	\$ 3,754	\$ 3,228
HARBOR OIL INC	\$ 2,044	\$ 814	\$ 941	\$ 146	<del> </del>	\$ 5,998	\$ 4,581
		<del></del>	<del></del>		<del></del>		
HERCULES INCORPORATED	\$ 2,044	\$ 814	\$ 1,075	\$ 291	\$ 397	\$ 4,622	\$ 4,581
HOSPITAL LINEN SERVICE	\$ 2,044	\$ 814	\$ 403	\$ 146		\$ 3,606	\$ 3,228
INTERNATIONAL YOGURT	\$ 2,044		\$ 672	\$ 291	\$ 67	\$ 3,888	\$ 1,975
IVC INDUSTRIES HALL DIVISION	\$ 2,044	\$ 814	\$ 941	\$ 448	\$ 133	\$ 4,380	\$ 3,228
J H RECOGNITION CO	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 190	\$ 3,900	\$ 1,975
KANTO CORPORATION	\$ 2,044	\$ 814	\$ 269	\$ 146		\$ 3,306	\$ 3,228
L S G SKY CHEFS	\$ 2,044	\$ 814	\$ 538	\$ 291	\$ 67	\$ 3,754	\$ 3,228
LEATHERMAN TOOL CO.	\$ 2,044	\$ 814	\$ 269	\$ -	\$ -	\$ 3,127	\$ 3,228
LEININGER POLISHING & PLATING	\$ 2,044	\$ 814	\$ 1,075	\$ 896	\$ 621	\$ 5,451	\$ 3,228
MCWHORTER TECHNOLOGIES	\$ 2,044	\$ 814	\$ 269	\$ 146	\$ 1,889	\$ 5,162	\$ 3,228
MYERS CONTAINER CORP	\$ 2,044	\$ 814	\$ 941	\$ 146		\$ 4,636	\$ 3,228
NABISCO INC-BAKERY	\$ 2,044	\$ 814	\$ 1,075	\$ 291	\$ 67	\$ 4,291	\$ 4,581
NEW SYSTEM LAUNDRY	\$ 2,044	\$ 814	\$ 538	\$ 291		\$ 4,084	\$ 3,228
OREGON AIR NATIONAL GUARD	\$ 2,044		\$ 403	\$ 146		\$ 4,525	\$ 3,228
	\$ 2,044	\$ 814	\$ 1,613			\$ 15,492	\$ 9,001
OREGON HEALTH SCIENCES OREGON PLATING CO				\$ 2,374	\$ 8,646		
OWENS CORNING FIBERGLASS		÷	\$ 403	\$ 448	\$ 172	\$ 3,881	\$ 3,228 \$ 4,581
	\$ 2,044		\$ 538	\$ 291	\$ 67	\$ 3,754	\$ 9,001
PCC STRUCTURALS INC	\$ 2,044	\$ 1,628	\$ 1,344	\$ 1,646	\$ 830	\$ 7,493	φ 5,001

			Pretreat	mer	it Program F	ee	S			•
22/25/2009										,
The second secon								Expected		Tiered Point
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PEPSI COLA BOTTLING COMPANY	\$	2,044		314	\$ 1,075			\$ 67	\$ 4,291	
PHOENIX GOLD	\$	2,044	<del> </del>	314	\$ 403	+		\$ 384	\$ 4,094	\$ 3,228 \$ 1,975
PORTLAND BOTTLING CO	\$	2,044		314	\$ 1,075	$\overline{}$		\$ 67	\$ 4,291	\$ 9,001
QUALEX INC	\$	2,044		314	\$ 538			\$ 48	\$ 3,891	\$ 3,228
SILVER EAGLE MANUFACTURING	\$	2,044	<del></del>	314	\$ 403			\$ 1,593	\$ 5,303	\$ 3,228
SPECIALTY FINISHES INC	\$	2,044	<del></del>	314	\$ 941	3		\$ 512	\$ 4,759	\$ 3,228
STEINFELDS PRODUCTS CO	\$	2,044	<del> </del>	314	\$ 941	\$		\$ 33	\$ 3,978	\$ 4,581
SUNSHINE DAIRY	\$	2,044		314	\$ 1,075	+-		\$ 67	\$ 4,291	\$ 4,581
SUNSHINE DAIRY NE HALSEY	\$	2,044	<del> </del>	14	\$ 1,075	\$		\$ 67	\$ 4,291	\$ 4,581
TCI AMERICA	\$	2,044		14	\$ 403	\$		\$ 90	\$ 3,497	\$ 1,975
TRIMET CENTER STREET GARAGE	\$	2,044		14	\$ 403	\$		\$ 383	\$ 3,790	\$ 3,228
VARICAST NORTHWEST	\$	2,044		14	\$ 269	\$		\$ 1,368	\$ 4,640	\$ 1,975
VENTURA FOODS	\$	2,044		14	\$ 1,075	\$		\$ 67	\$ 4,291	\$ 4,581
WACKER SILTRONIC CORP	\$	2,044		$\rightarrow$	\$ 1,075	\$		\$ 1,487	\$ 6,827	\$ 9,001
WIDMER BREWING COMPANY	\$	2,044	<del></del>	14	\$ 941	\$		\$ 33	\$ 3,978	\$ 3,228
***ABCO SANITATION	\$	1,149		52	\$ 239	\$			\$ 1,885	\$ 4,581
ABHE & SVOBODA	\$	1,149		52	\$ 239	\$		\$ 62	\$ 2,250	\$ 3,228
ASSOCIATED CHEMISTS	\$	1,149	\$ 3	52	\$ 359	\$	146	\$ 199	\$ 2,203	\$ 4,581
ATLANTIC RICHFIELD COMPANY	\$	1,149	\$ 3	52	\$ 359	\$	448	\$ 426	\$ 2,734	\$ 3,228
AUTO WAREHOUSING CO	\$	1,149	\$ 3	52	\$ 239	\$	146	\$ 199	\$ 2,084	\$ 1,975
BABYLAND DIAPER SERVICE	\$	1,149	\$ 3	52	\$ 958	\$	896	\$ 95	\$ 3,449	\$ 3,228
BAKER COMMODITIES INC	\$	1,149	\$ 3	52	\$ 838	\$	146	\$ 33	\$ 2,517	\$ 3,228
BEALL TRAILERS	\$	1,149	\$ 3	52	\$ 239	\$	146	\$ 199	\$ 2,084	\$ 1,975
BLUE BEACON OF PORTLAND	\$	1,149	\$ 3		\$ 479	\$	448	\$ 284	\$ 2,711	\$ 1,975
BOISE CASCADE-RESEARCH	\$	1,149	\$ 3	52	\$ 479	\$	448	\$ 1,845	\$ 4,272	\$ 3,228
BORDEN CHEMICAL COMPANY	\$	1,149		_	\$ 359	\$	146	\$ 47	\$ 2,052	\$ 1,975
BRIDGEPORT BREWING COMPANY	\$	1,149			\$ 958	\$		\$ 67	\$ 2,816	\$ 3,228
CASCADE GENERAL INC	\$	1,149			\$ 958	\$		\$ 1,375	\$ 4,729	\$ 3,228
COLUMBIA KNIT INC	\$	1,149			\$ 239	\$		\$ 33	\$ 1,919	\$ 1,975
CUMMINS NORTHWEST INC	\$	1,149			\$ 239	\$		\$ 199	\$ 2,084	\$ 1,975
DARLING INTERNATIONAL	\$	1,149			\$ 1,077	\$		\$ 101	\$ 3,115	\$ 1,975
DSU PETERBILT AND GMC INC.	\$	1,149			\$ 239	\$		\$ 199	\$ 2,084	\$ 1,975
FLETCHERS FINE FOODS	\$	1,149			\$ 838	\$		\$ 199	\$ 2,682	\$ 3,228
FRANZ BAKERY	\$	1,149			\$ 958	\$		\$ 67	\$ 2,816	\$ 4,581
FUEL PROCESSORS INC	\$	1,149		_ +	\$ 1,437	\$	2,688	\$ 2,155	\$ 7,779	\$ 4,581
GRAPHIC ARTS CENTER INC	\$	1,149			\$ 359	\$.	448	\$ 213	\$ 2,520	\$ 1,975
GREAT WESTERN CHEMICAL CO	\$			52		<u> </u>		\$ 138		
GREYHOUND BUS LINES	\$	1,149		52		<u> </u>			\$ 4,158	
HALL-BUCK MARINE TS	\$	1,149			\$ 479	\$		\$ 644	\$ 3,519	
HALL-BUCK MARINE T4	\$	1,149		-	\$ 239	\$		\$ 241	\$ 2,429	\$ 1,975
HESSEL TRACTOR & EQUIPMENT CO	\$				\$ 359	-			\$ 3,406	\$ 3,228
JAMES RIVER CORP	\$				\$ 239	\$	448	\$ 62	\$ 2,250	\$ 1,975
JEFFERSON SMURFIT CORP	\$				\$ 239			\$ 62	\$ 2,250	\$ 3,228
K & K COLOR LAB	\$				\$ 239	\$	448	\$ 48	\$ 2,235	\$ 1,975
"KILLINSWORTH FAST DISPOSAL	\$	1,149			\$ 239	\$			\$ 1,885	\$ 1,975
"LIQUID SUGARS, INC.	\$			_	\$ 239		146	400	\$ 1,885	\$ 3,228
MCCALL OIL REMEDIATION	\$			-	\$ 359	\$		\$ 199	\$ 2,203	\$ 1,082
METRO CENTRAL TRANSFER STATION	\$		· · · · · · · · · · · · · · · · · · ·	_	\$ 239	\$		\$ 241	\$ 2,429	\$ 1,975
MOUNT HOOD CHEMICAL OREGONIAN PUBLISHING CO	\$				\$ 479 \$ 250	\$	291	\$ 232	\$ 2,502	
OTA TOFU	\$	1,149			\$ 359	\$	448	\$ 270	\$ 2,577	\$ 1,975 \$ 1,975
PORTLAND BREWING COMPANY	\$	1,149			\$ 479 \$ 958	\$	291	\$ 32	\$ 2,303 \$ 2,816	\$ 1,975
PORTLAND INTERNATIONAL AIRPORT	\$	1,149			\$ 958 \$ 180	\$		\$ 67 \$ 123		\$ 3,228
PROGRESSIVE INK	\$	1,149								
PURDY CORP	\$	1,149	\$ 35		<del>-</del>	\$	448	\$ 62	\$ <u>2,250</u> \$ 1,500	
REXAM GRAPHICS	\$	1,149	\$ 35		\$ - \$ 359	- :	146	\$ -   \$ 521		\$ 3,228
RYDER TRUCK RENTAL	\$					\$		\$ 521		
THE THOOK RENTAL	Ψ.	1,149	φ35	16	\$ 239	Ф	448	\$ 255	\$ 2,443	Ψ 1,513

### Pretreatment Program Fees

Daroua O. Entrionimo...... Controco

									Expected			Ť	ered Point
	Annual		Inspection			k	Sampling	l e	Analysis	F	ee System		System
Company Name	Permit Fe		Fees				Charge		Charge	er more e	-Total		Charge
SPENCER ENVIRONMENT	A grown management and a second					•				******			
ST JOHNS SANITARY LANDFILL	\$ 1,14 \$ 1.14			\$	838	\$	· · · · · · · · · · · · · · · · · · ·	\$	1,152	+	3,938	\$	3,228
SUPERIOR				\$	239	\$		\$	1,158	\$	3,346	\$	1,975
TERRA VAC				\$	479 359	\$		\$	470 606	+	2,740	\$	3,228
TIDEE-DIDEE DIAPER SERVICE	\$ 1,14 \$ 1.14			\$	838	\$		\$	62	\$	2,611 2,848	\$	1,975 1,975
TIME OIL CO	\$ 1,14			\$	359	\$		\$	544	\$	2,549	\$	1,975
TOSCO DISTRIBUTION CO	\$ 1,14			\$	359	\$	·	\$	383	\$	2,349	\$	3,228
TRI MET POWELL GARAGE	\$ 1,14			\$	239	\$		\$	199	\$	2,084	\$	1,975
TRIMET BUTLER BLOCK	\$ 1,14		· · · · · · · · · · · · · · · · · · ·	\$	- 233	\$		\$		\$	1,500	\$	1,975
UNIFIRST CORPORATION	\$ 1,14			\$	958	\$	594	\$	440	\$	3,491	\$	3,228
UNION PACIFIC RAILROAD CO ALBINA YARD	\$ 1,14	<del></del>		\$	359	\$	146	\$	199	\$	2,203	\$	3,228
UNOCAL 4548	\$ 1,14			\$	359	\$	146	\$	606	\$	2,203	\$	1,975
VAN WATERS & ROGERS	\$ 1,14			\$	838	\$	146	\$	33	\$	2,517	\$	3,228
"WY'EAST COLOR INC	\$ 1,14			\$	239	\$	146	9	33	\$	1,885	\$	1,975
YOSHIDA	\$ 1,14			\$	838	\$	146	\$	33	\$	2,517	\$	3,228
AAA PRECIOUS METALS	\$ 1,14			\$	107	\$	. 140	Ψ_		\$	408	\$	1,082
"AMERICAN FINISHING TECHNOLOGIES	\$ 13	<del></del>		\$	107	\$				\$	408	\$	1,082
ART CRAFT SILVERSMITHS	\$ 13			\$	107	\$		_		\$	408	\$	1,082
CASCADE COIL DRAPERY INC	\$ 13			\$	107	\$	-			\$	408	\$	1,082
COLUMBIA ALUMINUM RECYCLING	\$ 13	-+-		\$	107	\$				\$	408	\$	1,975
COLUMBIA STEEL CASTING CO	\$ 13			\$	107	\$				\$	408	\$	1,975
CONSOLIDATED METCO INC	\$ 13			\$	107	\$				\$	408	\$	1,975
"DRUE PAINTS INC	\$ 13			\$	107	\$				\$	408	\$	1,082
ELF ATOCHEM NORTH AMERICA INC	\$ 13			\$	107	\$				\$	408	\$	1,975
"FOUCH ELECTRIC MFG CO	\$ 13			\$	107	\$				\$	408	\$	1,082
GALVANIZERS COMPANY	\$ 13			\$	107	\$				\$	408	\$	1,975
HD SOLUTIONS	\$ 13	_		\$	107	\$				\$	408	\$	1,082
INDUSTRIAL CHROME PLATING CO	\$ 13	<del></del>		\$	107	\$				\$	408	\$	1,082
KOPPERS INDUSTRIES	\$ 13			\$		\$	-			\$	408	\$	1,975
LACAMAS LABORATORIES INC	\$ 130			\$	107	\$	-			\$		\$	3,228
MACADAM ALUMINUM & BRONZE	\$ 13			\$	107	\$	-			\$	408	\$	1,082
MILLER PAINT CO-PLANT	\$ 130			\$		\$	73	\$	324	\$		\$	1,975
OREGON RETINNERS CO	\$ 130	<del></del>		\$		\$		<u>*</u>	OLT	\$		\$	1,082
OREGON STEEL MILLS INC	\$ 130			\$		\$				\$		\$	1,975
PECO INC	\$ 130			\$		\$				\$		\$	1,975
PORTLAND BOLT & MANUFACTURING	\$ 130			\$		\$				\$		\$	1,082
PORTLAND FOUNDRY		\$		\$		\$				\$		\$	1,082
PRECISION EQUIPMENT INC		\$		\$		\$				\$		\$	1,975
PRISM INDUSTRIES		\$		\$		\$				\$		\$	1,082
QUALITY BRASS AND ALUMINUM		\$		\$		\$				\$		\$	1,082
···RODA PAINT	\$ 130	_		\$		\$			·	\$		\$	1,082
ROSE CITY AWARDS	\$ 130			\$		\$				\$		\$	1,082
SIMPSON TIMBER		) \$		\$	100	\$		• • • •		\$		\$	1,975
WADE MANUFACTURING CO		) \$		\$		\$				\$		\$	1,975
	+ 130	+		<u> </u>	107	Ψ_		-		<del>*</del> -		<u>-</u>	
Total	\$ 216,439	+	\$85,237		\$82,575		\$51,419		\$74,042		\$509,712		\$509,712
	+		400,201		<del>+,-,-</del>		701,710		4. 110 1L		<u> </u>		

## RECEIVED

APR 1 9 1999

KOPPERS INDS, INC. PORTLAND OR Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

April 23, 1999

Mr Amos Kamerer Plant Manager Koppers Industries 7540 NW St Helens Rd Portland OR 97210

Re: Industrial Wastewater Permit Fee Proposal

Dear Mr Kamerer:

We have received much input from our permitted industrial customers regarding the risk/effort and activity-based permit fee systems that are being proposed to charge for the costs of administering the regulatory functions of the pretreatment program. Based on the nature and number of comments received, the City has selected the activity-based (fee) system for the permitted non-discharging industrial customers such as yours.

At its May 12, 1999 meeting, City Council will consider an ordinance implementing this new fee, beginning in January 2000. We expect the fee will be phased in as follows: 1/3 of the fee will be charged from January 2000 through June 2000, 2/3 from July 2000 through June 2001, and the full fee charged after July 2001, and annually thereafter. For your facility, this would result in the following fees: January 2000 until June 2000 \$141, July 2000 through June 2001 \$281, and after July 2001 \$422. The fees for the July 2000 – June 2001 and July 2001 – June 2002 may have some inflationary increase added.

I appreciate your help in selecting the fee structure that will be presented to City Council. Please feel free to comment on the fee proposal at the City Council hearing, May 12, 1999 at 2:00 p.m. If I can be of assistance, please feel free to call me at 823-7763.

Susan D. Keil Manager, Industrial and Solid Waste

usan D. Keil

CC:T.Self - F.Y.I.

Amos 4/20/99

## RECEIVED.

APR 26 1999

KOPPERS INDS, INC. PORTLAND OR

,



1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972 (503) 823-7740, FAX (503) 823-6995

Expiration Date: 10/1/99 Permit Number: 314-001

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#### MUNICIPAL PRETREATMENT PROGRAM

#### WASTEWATER DISCHARGE PERMIT

KOPPERS INDUSTRIES, INC.

SIC CODE:	2865
PLANT TYPE:	Bulk Organic, Processing/Storage
EPA CATEGORY:	414
LOCATION:	7540 NW St. Helens Rd. Portland, OR 97210
MAILING ADDRESS:	William E. Swearingen 436 Seventh Ave. Pittsburgh, PA 15219-1800
RESPONSIBLE OFFICIAL: PHONE NUMBER: FAX NUMBER:	William E. Swearingen (412) 227-2883 (412) 227-2423
APPLICATION FEE RECEIVED:	September 9, 1994
EXPIRATION DATE:	October 01, 1999
INDUSTRIAL AND SOLID WASTE MANAGER:	Markete Bedding for Susan Dateil
EFFECTIVE DATE:	
PREPARED BY: Christina CHECKED BY: MAS GWB	K. Anderson

S:\IU-K\KOPPERS\PERMIT\94PERMIT.DFT

1

ISSUED TO:



1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972 (503) 823-7740, FAX (503) 823-6995

### MUNICIPAL PRETREATMENT PROGRAM

#### INDUSTRIAL USER

# COMPANY OFFICIAL SIGNATORY AUTHORIZATION

The undersigned person has been designated by KOPPERS INDUSTRIES, INC., as the duly authorized representative with the assigned responsibility for environmental matters and compliance with the firm's City of Portland Waste Discharge Permit (#314-001) and the Code of the City of Portland.

This authorization is made pursuant to 40 CFR 403.12(1)(1-3).

RESPONSIBLE CORPORATE OFFICIAL: AMOS S. KAMERER. PLANT MANAGER

(PLEASE PRINT- NAME/TITLE)

SIGNATURE:

(ĎATE)

40 CFR 403.12(1)(4)

If an authorization under paragraph (1)(3) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, or overall responsibility for environmental matters for the company, a new authorization satisfying the requirement of paragraph (1)(3) of this section must be submitted to the Control Authority prior to or together with any reports to be signed by an authorized representative.

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Expiration Date: 10/1/99 INTRODUCTION Permit Number: 314-001

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#### INTRODUCTION

#### PERMITTED ACTIVITIES

The permittee is authorized to discharge  $\frac{\text{sanitary wastewater only}}{\text{No process wastewater}}$  discharges are allowed.

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### Schedule A WASTEWATER DISCHARGE LIMITATIONS

Waste discharge limitations are not to be exceeded after the effective date.

Applicable Regulations: Chapters 17.34 and 17.36 of the Code of the City of Portland and 40 CFR 413.64.

#### Limits:

No process wastewater discharges to the City of Portland's sanitary sewer system are allowed under this permit.

Any discharges after the effective date will be approved by Batch Discharge Application only. Contact the Permit Manager for procedural information.

#### Notes:

- 1. This schedule may be revised upon written notification by the City to accommodate process changes by the permittee or as determined by the Director of Environmental Services.
- 2. In addition to the limits stated in Schedule A, the permittee shall comply with all other applicable City, State and Federal regulations.

Page B1 of 1

#### Schedule B MONITORING AND REPORTING REQUIREMENTS

Minimum Monitoring and Reporting Requirements

- I. Periodic Compliance Report (continuous requirement to commence on October 15, 1994).
  - 1. The permittee shall report semiannually (July 15th and January 15th of each year) on the status of its compliance with the conditions of this permit. This report shall contain the following information:
    - a. A signed statement ("No Discharge Certification Report")
      by the officially designated responsible official
      stating the permittee's compliance or non-compliance
      with the limits established in Schedule A of this
      permit, (Schedule A limits -- no process wastewater
      discharged to the City of Portland's sanitary sewer).
    - b. A log of all process wastewater shipped off-site or disposed of on-site, shall be kept and submitted with each Periodic Compliance Report. This log shall include the volume, date shipped, D.O.T. classification and destination of all liquid process wastewater.

#### Notes:

- 1. All official sampling (for Batch Discharge requests) shall be taken at the approved Sampling Location (see Appendix 2).
- 2. All monitoring results and reports are to be mailed to:

Source Control Management Bureau of Environmental Services City of Portland 1120 S.W. 5th Ave. Rm. 400 Portland, Or. 97204-1972

Page: C1 of 1

### Schedule C COMPLIANCE SCHEDULE

#### 1. Signatory Authorization:

The permittee shall sign and return the Company Official Signatory Authorization form (enclosed with this permit) by **December 31**, 1994.

#### 2. Sampling Point Location

Prepare a diagram of the facility which indicates the location of the wastewater collection tank which would be sampled as part of a batch discharge request. The diagram must depict how City sampling crews may access the sample point. Submit the map for City approval by **December 31, 1994**.

#### 3. Accidental Spill Prevention Plan:

The permittee shall prepare for City approval, an Accidental Spill Prevention Plan (ASPP) by **December 31, 1994**, for inclusion in this permit as Appendix 3. The ASPP shall comply with Section 17.34.090 of the City Code and **Schedule E, GENERAL CONDITIONS, item 2:** Accidental Spill Prevention Plan.

SCHEDULE D SPECIAL CONDITIONS Expiration Date: 10/1/99 Permit Number: 314-001 Page: D1 of 1

Schedule D SPECIAL CONDITIONS

Permit Number: 314-001

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#### GENERAL CONDITIONS

#### 1. Authorized Discharge

All discharge and activities authorized herein shall be consistent with the terms and conditions of this permit, Chapter 17.34 of the City Code and the Administrative rules. The discharge of any pollutant in excess of these limits shall constitute a violation of the terms and conditions of this permit.

#### 2. Accidental Spill Prevention Plan

To comply with Section 17.34.090 of the City Code, the permittee shall submit a new or revised Accidental Spill Prevention Plan (ASPP) to the Industrial Wastewater Management Section 90 days after the effective date of this permit. The plans shall include the following elements.

- a. A description of the hazardous substances handled and their potential points of entry into the City sewer system or storm runoff
- b. A description of the measures to be taken to prevent entry at the described points before a spill occurs
- c. Measures to be taken to contain a spill if one occurs
- d. A description of employee training in the prevention and control of spills
- e. A posted notice informing employees of the requirement to notify the Bureau of Environmental Services in case of spills or uncontrolled discharges.

#### 3. Records Retention

All records of monitoring activities and results, including all original strip chart recordings for continuous monitoring instrumentation (and calibration and maintenance records), shall be retained by the permittee for a minimum of three years. This retention period shall be extended during the course of any unresolved litigation pertaining to the discharge of pollutants by the permittee, or whenever it is requested by the City.

GENERAL CONDITIONS Expiration Date: 10/1/99
Permit Number: 314-001

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#### 4. Monitoring

a. The permittee shall record the following information:

- \* The exact date, time, and place of sampling
- \* Name of person who collected the sample(s).
- \* Type of sample(s) collected
- \* The dates analyses were performed
- \* Who performed the analyses
- \* The analytical techniques or methods used
- \* The results of all required analyses
- \* Whether quality assurance and quality control laboratory procedures are followed
- b. Samples and measurements, taken to meet the requirements of the above condition, shall be representative of the effluent. Grab samples must be collected for pH, cyanide, phenol, sulfide, volatile organic compounds and oil and grease monitoring.
- c. All sampling and analytical methods used to meet the monitoring requirements specified in this permit shall, unless otherwise approved in writing by the City, conform to the Guidelines Establishing Test Procedures for the Analysis of Pollutants as specified in 40 CFR, Part 136. Laboratory quality assurance and quality control programs should be documented. EPA QA/QC programs should be followed.
- d. The permittee is required to document proper installation, and maintenance of flow monitoring and sampling equipment.
- e. If the results of the permittee's wastewater analysis indicate that a noncompliance has occurred, the permittee must notify the City's Source Control Management Section within 24 hours of becoming aware of the noncompliance. The permittee must also repeat the sampling within 24 hours of the effluent noncompliance or next process day and submit the analysis to the City within 30 days after becoming aware of the noncompliance.

GENERAL CONDITIONS Expiration Date: 10/1/99
Permit Number: 314-001

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#### 4. Monitoring (continued)

f. The permittee shall take all reasonable steps to minimize or correct any adverse impact to the POTW or the environment resulting from noncompliance with this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

g. If requested, the permittee shall provide or split discharge samples with the City of Portland Water Pollution Control Laboratory.

#### 5. Reporting Requirements

a. Accidental or Slug Loading

The permittee shall notify the City immediately, either in person or by telephone (Duty Officer Pager # 323-3398 and Lead Operator CBWTP # 823-2300), if accidental or slug loading to the sanitary sewer occurs. A formal written report, discussing circumstances and remedies, shall be submitted to the City within 5 days of the occurrence.

b. Changes in Wastewater Characteristics

The permittee shall give notice to the Source Control Management Section 90 days before any facility expansion, production increase, or process modifications that result in new or substantially increased discharges or a change in the nature of the discharge.

c. Change in representative

If the responsible corporate official changes, notify the City within 10 days, as per 40CFR 403.12 (1) (4).

#### 6. Upset

#### a. Definition:

For the purposes of this section, upset means an exceptional incident in which there is unintentional and temporary noncompliance with applicable pretreatment standards, because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

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rage E4 OI 10

#### 6. Upset (continued)

GENERAL CONDITIONS

b. Effect of an Upset:

An upset will constitute an affirmative defense to an action brought for noncompliance with applicable pretreatment standards, if the requirements of paragraph c are met.

c. Conditions Necessary for a Demonstration of an Upset:

A permittee who wishes to establish the affirmative defense of an upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

- (1) An upset occurred and the permittee can identify the specific cause(s) of the upset.
- (2) The facility was, at the time, being operated prudently, efficiently, and in compliance with applicable operation and maintenance procedures.
- (3) The permittee has submitted the following information to the Source Control Management Section within 24 hours of becoming aware of the upset (if this information is provided orally, a written submission must be provided within 5 days).
  - \* A description of the indirect discharge and cause of noncompliance
  - \* The period of noncompliance, including exact dates and times or, if not corrected, the anticipated duration of noncompliance
  - \* Steps planned or now being taken to reduce, eliminate, and prevent recurrence of the noncompliance

GENERAL CONDITIONS

Page E5 of 10

#### 6. Upset (continued)

#### d. Burden of Proof

In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset shall have the burden of proof.

e. Permittee Responsibility in Case of an Upset.

If reduction, loss, or failure of its treatment facility occurs, the permittee shall control production of all discharges in order to maintain compliance with applicable pretreatment standards until the facility is restored or an alternative method of treatment is provided. This requirement especially applies if the primary source of the treatment facility power is reduced, lost, or failed.

#### 7. Bypass or Diversion

The diversion or bypass (the intentional diversion of wastestreams from any portion of a permittee's treatment facility) of any discharge, from facilities used by the permittee, to maintain compliance with the terms and conditions of this permit is prohibited except:

- a. When unavoidable to prevent loss of life or severe property damage.
- b. When excessive storm drainage or runoff would damage facilities necessary for compliance with the terms and conditions of this permit.

The permittee shall immediately notify the City in writing of each such diversion or bypass, in accordance with the procedure specified in condition No. 16.

#### 8. Property Rights or Privileges

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges; it does not authorize any injury to private property or any invasion of personal rights; and it does not authorize any infringements or federal, state, or local laws or regulations.

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#### 9. Permit Suspension or Termination

a. Violation of any terms or conditions of this permit or any applicable rule, standard, or order of the director of the Bureau of Environmental Services.

- b. Obtaining this permit by misrepresentation or failure to fully disclose all relevant facts.
- c. Falsifying self-monitoring reports.
- d. Tampering with monitoring equipment.
- Refusing to allow prompt access to the facility premises and records.
- f. Failure to meet effluent limitations.
- g. Failure to pay fines.
- h. Failure to meet compliance schedules.

#### 10. Permit Modification

This permit may be modified with 30 days prior written notification, in whole or in part, for causes including but not limited to the following:

- a. A change in the City's NPDES permit or any other condition that requires either a temporary or permanent elimination of any authorized discharge.
- b. To incorporate new or revised federal, state, or local pretreatment standards or requirements.
- c. Information indicating that the permitted discharge poses a threat to the City's collection and treatment system, POTW personnel, or the receiving waters and sludge.
- d. To correct typographical or other errors in the permit.
- e. Any significant change in the volume of a permitted discharge.

GENERAL CONDITIONS

Page E7 of 10

#### 11. Permit Renewal

This permit is issued to a specific entity and cannot be transferred by the industrial user and must be renewed pursuant to Section 17.34.070 of the Code of the City of Portland and Permit Applications must be received 90 days prior to:

- a. Expiration date of current permit.
- b. In the event the permittee plans to cease operations at the present location, and plans to relocate within the City of Portland's jurisdiction and continue the same permitted activities.
- c. The permitted industrial process being significantly altered or changed so that pollutants not specifically mentioned in the current permit are present in the permittee's discharge.

#### 12. Plant Closure

In the event the permittee plans to cease operations at the present business location, and not to relocate within the City of Portland's jurisdiction, the permittee shall inform this office, in writing, 90 days prior to plant closure.

#### 13. Appeal

The permittee may request reconsideration of the terms of this permit within thirty (30) days of the effective date. This request must be in writing; failure to submit a request for reconsideration shall be deemed a waiver of the appeal.

#### 14. Liability

The City of Portland, its officers, agents or employees shall not sustain any liability due to the issuance of this permit or the construction or maintenance of facilities resulting from this permit.

#### 15. Severability

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to the other circumstances and the remainder of this permit shall not be affected.

GENERAL CONDITIONS

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#### 16. Notification of Slug Load

If the permittee is unable to comply with all the conditions of this permit due to a breakdown of equipment or facilities, an accident caused by human error or negligence, or any other cause such as an act of nature, or should any condition cause the release of any slug load, the permittee shall:

- a. Immediately take action to stop, contain, clean up the unauthorized discharges, and correct the problem.
- b. Immediately call the Lead operator of the Columbia Boulevard Wastewater Treatment Plant (823-2300) so that plant personnel can evaluate the impact of the discharge and take corrective action. Notify Source Control by calling the Duty Officer, pager # 323-3398.
- c. Within five (5) days submit a detailed written initial report to the City describing the breakdown, the actual quantity of resultant waste discharges, the corrective action taken, the steps taken to prevent recurrence, and any other pertinent information.

Samples shall be taken immediately upon discovery of the Slug load. Within 15 days, a follow-up report shall be submitted. The report shall contain analysis of samples taken during such discharge and samples taken after normal conditions have been restored. The samples, at a minimum, shall be analyzed for the parameters required in Schedule B. Sampling shall be continued until all parameters are within discharge limits.

#### 17. Continuous Compliance

Compliance with No. 16 shall not relieve the permittee from responsibility to maintain continuous compliance with the conditions of this permit.

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#### 18. Inspection and Entry

GENERAL CONDITIONS

The permittee shall, at all reasonable times, allow authorized representatives of the City:

- a. To enter the permittee's premises where an effluent source or disposal system is located or where any records associated with this permit are kept.
- b. To have access to any required records and permission to copy these records. At no time can wastewater effluent data be claimed or held as confidential information.
- c. To inspect and evaluate any monitoring equipment or monitoring methods required by this permit.
- d. To sample any discharge to the sewer system.

#### 19. Certification

Legible copies of all applications, reports, and information submitted to the City shall be signed and certified as follows in accordance with 40CFR 403.12.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

#### 20. Extra-Strength Sewer Charge (ESSC)

Discharges exceeding 300 mg/L for the 5-day biochemical oxygen demand (BOD) or 350 mg/L total suspended solids (TSS) concentrations (as defined in Section 17.36.060(1) of the City Code) shall be subject to the extra-strength sewer charge (ESSC) established in Section 17.36.060(1).

#### 21. Chemical Storage

Chemical storage shall conform to hazardous waste storage requirements, as stipulated in the DEQ Hazardous Waste Management Rules, contained in Oregon Administrative Rules Chapter 340.

Chemicals shall be stored in a manner that will prevent the entry of these substances into the sanitary, combined sewer, or storm sewer system, or waters of the state.

Expiration Date: 10/1/99 Permit Number: 314-001

GENERAL CONDITIONS

Page E10 of 10

#### 22. Enforcement Provision

A violation of any conditions, standards or requirements of this permit constitutes a violation Chapter 17.34 of the City Code and any rules promulgated thereunder. Therefore, the City may seek any or all of the remedies or penalties provided in Section 17.34.110 of the City Code, including recovery costs incurred by the City, in response to the following:

- a. Any violation by the permittee of the provisions in this Industrial Wastewater Discharge Permit.
- b. Any violation by the permittee of the provisions of the City Code.
- c. Any violation by the permittee of an Enforcement Action requirement with respect to provisions set forth in this Industrial Wastewater Discharge Permit and the City Code and Administrative Rules.

The range or severity of enforcement actions taken by the City against the permittee will be determined by, but not limited to, the nature, magnitude, duration, and frequency of the violation as provided by City Code and Administrative Rules.

#### 23. Hazardous Waste Notification

The industrial user shall notify the Source Control Management Section, the POTW, the EPA Regional Waste Management Division Director, and State hazardous waste authorities in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste under 40CFR Part 261. Such notification must include the name of the hazardous waste as set forth in 40CFR Part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the industrial user discharges more than 100 kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the industrial user: an identification of the hazardous constituents contained in the wastes, an estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following 12 months.

#### 24. Dilution Prohibition

It is unlawful for a discharger to use dilution as a partial or complete substitute for adequate treatment to achieve compliance with the standards and limitations set forth in this permit. The Director may impose mass limitations on dischargers who are using dilution to meet the applicable pretreatment standards or the requirement set forth in this permit.

Expiration Date: 10/1/99 Permit Number: 314-001

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### Appendix 1 DEFINITIONS

#### Abbreviations

BOD<sub>5</sub> Five-day biochemical oxygen demand
mg/L Milligrams per liter
k Kilograms
m³/d Cubic meters per day
ppm Parts per million (assumed equal to milligrams per liter)
POTW Publicly owned treatment works

Water Pollution Control Laboratory

Averages for BOD, TSS, and chemical parameters are based on arithmetic mean of samples taken.

#### Definitions

#### Bypass

WPCL

The intentional diversion of wastestreams from any portion of a permittee's treatment facility.

#### Compatible Pollutant

Biochemical oxygen demand, suspended solids, pH and fecal coliform bacteria, and additional pollutants that the City treatment works is designed to treat.

#### Conventional Pollutants

Classification of industrial pollutants, which includes BOD (biochemical oxygen demand), suspended solids, fecal coliform, pH (acidity/alkalinity), and other pollutants so designated by EPA, as defined by Section 304(a)(4) of the Clean Water Act.

#### Director of Environmental Services

The Director of Environmental Services of the City of Portland, Oregon, or that person's duly authorized representative or agent.

#### City, or City of Portland

The municipality of Portland, Oregon, a municipal corporation of the State of Oregon, acting through the City Council or any board, committee, body, official, or person to whom the Council shall have lawfully delegated the power to act on behalf of the City. Unless a particular board, committee, official, or person is specifically designated in these rules and regulations, wherever action by the City is explicitly required or implied herein, it shall be understood to mean action by the Director of Environmental Services of Portland, Oregon, or that person's duly authorized representative or agent.

Expiration Date: 10/1/99 Permit Number: 314-001

Page 1.2 of 6

#### Effective Date of this Permit

The date this permit is signed by the Director of the Bureau of Environmental Services.

#### Expiration Date

From 1 to 5 years beyond the effective date of this permit.

#### Hazardous or toxic substances

Hazardous or toxic substances are those substances referred to in section 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (42 U.S. Code 9601 et seq.), section 502(13) of the Clean Water Act, and any other substances so designated by the Director of Environmental Services and contained in rules adopted pursuant to this Chapter.

#### Industrial Waste

Any liquid, solid, or gaseous substance (or combination thereof) resulting from any process of industry, manufacturing, commercial food processing, business, agriculture, trade, or research, including but not limited to the development, recovery, or processing of natural resources and leachate from landfills or other disposal sites.

#### Industrial Wastewater Discharge Permit

A permit to discharge industrial wastewater into the City sewer system issued under the authority of the City Code, which prescribes certain discharge requirements and limitation.

#### Interference

Interference means a discharge which, alone or in conjunction with a discharge or discharges from other sources, inhibits or disrupts the normal operation of the City sewer system, or which causes a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation) or any increase in the cost of treatment of sewage or in the cost of sewage sludge use or disposal incompliance with the following statutory provisions and regulations or permits issued thereunder (or more stringent State or local regulations); Section 405 of the Clean Water Act, the Solid Waste Disposal Act (including Title II, more commonly referred to as the Resource Conservation and Recovery Act), and including State regulations contained in any State sludge management plan prepared pursuant to Subtitle D of RCRA, the Clean Air Act, the Toxic Substances Control Act, and the Marine Protection, Research and Sanctuaries Act.

Expiration Date: 10/1/99 Permit Number:

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#### Maximum Daily Discharge Limitation

The highest allowable daily discharge.

#### Nonconventional Pollutants

All pollutants that are not specifically designated as either conventional or toxic.

#### Oil and Grease

Fats, Oils and Grease. Fats, oils and grease are those substances which are measured by Standard Methods, current edition, freon extraction Method 5520B.

- Non-polar fats, oils and grease are that portion of fats, oils and grease which is measured as non-polar (from petroleum sources) by Standard Methods, current edition, Method 5520F.
- (b) Polar fats, oils and grease are that portion of fats, oils and grease which is determined to be polar (of animal or vegetable origin) by Standard Methods, current edition, Method 5520F.

#### Pass Through

Pass through means a discharge which exits the POTW into waters of the United States in Quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation).

#### POTW

POTW means Publicly Owned Treatment Works, which includes any devices and systems, owned by a State or municipality, used in the collection, transportation, storage, treatment, recycling and reclamation of wastewater.

#### Pretreatment

The reduction of the amount of pollutants, the elimination of pollutants, or the alternation of the nature of pollutant properties in wastewater to a non-harmful state, prior to or in lieu of discharge of such pollutants into the City sewer system.

Expiration Date: 10/1/99 Permit Number: 314-001

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#### Sampling

a. The "monthly average" other than pH is the arithmetic mean of samples collected curing a calendar month.

- b. The "daily maximum" is defined as the greatest allowable value for any calendar day.
- c. A "24-hour composite" sample shall mean a flow-proportioned mixture of not less than eight discrete aliquots. Each aliquot shall be a grab sample of not less than 100 ml and shall be collected and preserved in accordance with 40CFR part 136 and amendments.
- d. A "Grab" sample is an individual sample collected in less than 15 minutes, without regard for flow or time.
- e. A "Grab-Composite" is a minimum of four grab samples collected and preserved over a 24-hour period and combined to provide a representative sample of effluent being discharged.

#### Schedule of Compliance

A schedule of remedial measures, including an enforceable sequence of actions or operations leading to compliance with an effluent limitation or other limitation, prohibition, or standard.

#### Severe Property Damage

Substantial physical damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

#### Slugload

A slugload is any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge.

#### Solid Waste

Any garbage, refuse, or sludge from a waste treatment plant, water supply treatment plant, or air pollution control facility including solid, liquid, semisolid, or contained gaseous material resulting from industrial, commercial, mining, and agricultural operations, and from community activities, but does not include solid or dissolved material in domestic sewage, or solid or dissolved materials in irrigation return flows or industrial discharges that are point sources subject to permits.

Expiration Date: 10/1/99 Permit Number: 314-001

Page 1.5 of 6

#### Solid Waste Disposal

The final placement of refuse that cannot be salvaged or recycled.

#### Solvent Management Plan

A plan that specifies the toxic organic compounds used, the method of disposal used (instead of dumping into wastestreams), and procedures for ensuring that toxic organics do not spill or leak into wastewater discharged to the City sewer system.

#### Total Dissolved Solids

The total dissolved (filterable) solids as determined by use of the method specified in the list of approved test procedures.

#### Total Organic Active Ingredients

The sum of all organic active ingredients covered by the organic pesticide chemicals manufacturing subcategory, which are manufactured at a facility subject to the effluent guidelines for pesticides chemicals manufacturing.

#### Total Solids

The sum of dissolved and undissolved constituents in water or wastewater, usually expressed as milligrams per liter.

#### Total Suspended Solids

Total suspended matter that either floats on the surface or is in suspension in water or wastewater and that are removable by laboratory filtering (as described in Standard Methods for the Examination of Water and Wastewaters, current edition) or Guidelines Establishing Test Procedures for the analysis of Pollutants, contained in 40CFR 136, as published in the Federal Register. (Bureau of Environmental Services Administrative Rules I[22])

#### Upset

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with applicable pretreatment standards, because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

APPENDIX 1
DEFINITIONS

Expiration Date: 10/1/99 Permit Number: 314-001

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#### <u>Waste</u>

Unwanted materials left over from manufacturing processes, or refuse from places of human or animal habitation.

#### Wastewater

Industrial waste, sewage, or any other waste, including that which may be combined with any groundwater, surface water, or stormwater that may be discharged to the city sewer system.

#### Water Pollution

The addition of enough harmful or objectionable material to damage water quality.

APPENDIX 2 SAMPLING LOCATION MAP Expiration Date: 10/1/99 Permit Number: 314-001

Page 2.1 of 1

## Appendix 2 SAMPLING LOCATION MAP

To be prepared by the permittee and approved by the City

Attached

Expiration Date: 10/1/99 Permit Number: 314-001

Page 3.1 of 1

## Appendix 3 ACCIDENTAL SPILL PREVENTION PLAN

To be prepared by the permittee and approved by the City

Due December 31, 1994

# ENVIRONMENTAL SURVEY A

· En	VIKUMMENTAL SUKVET A -PARMATAL	\$		No established Section 1984 Section 1984
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CITY OF	THERETON STORY		• ea April bits seastear	and any and the same
PORTLAND, OREGON Envir	ronmental Survey		LEAVE BLANK City Use O	nly
	tewater Generating Chara	acteristics	Date Received: (1.28 12 12 12 12	and the second
BOKEAGO! ATTINOTUTE SETTING			Treatment Plant:	
se complete in full, either typed or printed clearly.				ar i i e e e e e e e e e e e e e e e e e
TION A - GENERAL INFORMATION			Pump Stations:	The second secon
Company name: KOPPERS INDUSTRIES	TNC	••		
Contract Con	INC.		Sewer-Node:	
Division name: TAR PRODUCTS			a and organization from the company to the fig.	or a state of the section of
Address of the facility:	A4. Mailing	address:	or in the second representation	ents there's same
7540 NW ST HELENS RO	·	SAME	Control of the Section of the Sectio	
PORTLAND OR 97210-				
Representative completing this form:  Name AMOS S. KAMERER	TOP DOUGHE DESIGN OF TAXABLE TO		service text on European grant employees	S Type S cerego
Title PLANT MANAGER	Telephone 286-	-3681	FAX :285-2831 100 1010	skalikum useliai ( -
Brief description of business-principal products an	The second second to a married .	days were the	TUTTEN SELECTIONS OF THE PROPERTY.	Carlo Carlo de Carlo Car
Brief description of business—principal products an A TERMINAL FACILITY FOR COAL 5	PAR BASED PRODUCTS AS F	OLLOWS:	A THE CONTRACTOR OF THE CONTRA	gar vermus an armen. Description
PENCIL PITCH, LIQUID PITCH, CE	REOSOTE, CREOSOTE DISTI	LLATES AND R	EFINED COAL TARS	1100 214
		· · · · · · · · · · · · · · · · · · ·		
Is the building presently connected to public sewer	system?			X Yes   No
If no, have you applied for a sewer connection?	.;	• • • • • • • • • • • • • • • • • • • •		∏ Y⇔ [] No
Estimated date of connection		•		
Standard Industrial Classification Number(s) (SIC 2865	Code if known).	Busine	ess License No.: 39	98554
2003	<del></del>	· · · · · · · · · · · · · · · · · · ·		
Do you or will you discharge oils, grease, or fats to	the public sewer?			[]Yes []No
	· · · · · · · · · · · · · · · · · · ·			<u> </u>
. Place a check for device used: N/A			·	
a. Oil and water separator				Yes No
o. Grease trap				Yes No
c. Sand/sediment trap		• • • • • • • • • • • • • • • • • • • •		∏ Y⇔ ∏ No
. What is your normal frequency of deaning the oil	and grease tran? Where do you disn	ose of tranned oil a	nd arease?	
N/A	and greate trap: Where do you disp	osc or trapped on a	no grease.	•
		<del> </del>		
		<del></del>		<del></del>
. Do you or will you have chemical storage containe	rs, bins, or ponds at your facility?			[X] Yes [ ] No
Do you have any underground storage tank(s)				∏ Yes Mo
. Have you been issued a local, state, or federal envi				X Yes I No
If yes, please list the types of permit(s). NPDES	5 #101003, FACILITY #47	7430		
. Do you or will you have floor drains in your manu	eforguring or store an area?			( ) Ver MINO
If you have chemical storage containers, bins, or p				
discharge to an onsite disposal system (e.g., throug				
Public sewer?				
To storm drain?				
To ground?				
		•		
. Do you or will you discharge wastewater (other th	an domestic waste from bathrooms, t	ioilets, etc.) to an or	isite disposal system?	KI Yes [] No
or storm sewer?				Yes X No
				r tw. ruch
. Do you or will you discharge wastewater (other th	an domestic waste from bathrooms, t	toilets, etc.) to the p	ublic sewer system?	TI TE IXI NO
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rtify under penalty of law that this document and all	attachments were prepared under my	y direction or superv	vision in accordance with a sy	scen designed to
ire that qualified personnel property gather and evaluem, or those persons directly responsible for gatherin	ate the information the information of	on my inquiry of	the person or persons who if	iel true
rate, and complete. I am aware the there are signifi-				
wing violations.	ream penanties for submitting talse in	itorination, metudin	5 the positionity of the and it	
			, ,	
Signature*	Title PLANT MANAGE	<b>ER</b>	Date 8/8/94	
Signature A.S. Cameren				
- FINANCAPA			· · · · · · · · · · · · · · · · · · ·	

### ENVIRONMENTAL SURVEY A

	- CTV OF		
8	CITY OF Environmental S	C.,	LEAVE BLANK OF THE
	PORTLAND, OREGON Environmental S		LEAVE BLANK City Use Only
8	BUREAU OF ENVIRONMENTAL SERVICES Wastewater Ger	nerating Characteristics	Date Received:
	complete in full, either typed or printed clearly.	<del></del>	Treatment Plant: Service Area:
, ICS	e complete in this either types of printes dearly.	•	Pump Stations:
SECT	TON A - GENERAL INFORMATION		•
	~ V + -		
A1.	Company name: K, T, T	•	Sewer Node:
A2.	Division name: TAR PRODUCTS		
		<b>-</b>	
A3.	Address of the facility:	A4. Mailing address:	
	7540 NW. SAINT HELENERd. PORTIAND, OR 97210-3663	<u></u> .	Ame
	PORTIANA, OK 91210-3863	•	
A5.		•	
	Name AMOS S. KAMEKEK	300 3/01	20C -2021
	Tille DIAN+ MANAGER	Telephone <u>286-3681</u>	FAX 203-2031
A6.	Brief description of business-principal products and services:		
	A TERMINAL FACILITY FOR COA! HAR	based products AS	Followes:
	Pencil Pitch, Liquid Pitch, CREOSOT	e, creosore distilla	tes AND REFINED GOAL TARS.
		<u> </u>	
A7.	Is the building presently connected to public sever sistem?		M Yes ( 1 No
• • • •	Is the building presently connected to public sewer system?  If no, have you applied for a sewer connection?		∏ Yes ∏ No
	Estimated date of connection		<u></u>
_			200
A8.	Standard Industrial Classification Number(s) (SIC Code if known).		ness License No.: 398554
		<u></u>	
A9.	Do you or will you discharge oils, grease, or fats to the public sewe	r?	[] Yes [] No
	•	•	<u> </u>
A10.	Place a check for device used:  a. Oil and water separator  N/A		
;	a. Oil and water separator b. Grease trap	• • • • • • • • • • • • • • • • • • • •	
	c. Sand/sediment trap N/A	• • • • • • • • • • • • • • • • • • • •	TYES TINO
			<u> </u>
All.	What is your normal frequency of cleaning the oil and grease trap?	Where do you dispose of trapped of	I and grease?
	N/A		
A12	Do you or will you have chemical storage containers, bins, or pond.	s at your facility?	MY TINO
	Do you have any underground storage tank(s)		Yes No
	•		
A13.	Have you been issued a local, state, or federal environmental perm If yes, please list the types of permit(s). $NPDES # 1010$	it?	
	If yes, please list the types of permit(s). NPOES # 1010	03 , FACILITY # 479	130
	Do you or will you have floor drains in your manufacturing or stor	· ·	
	If you have chemical storage containers, bins, or ponds, or floor dr		
	discharge to an onsite disposal system (e.g., through a floor drain)?		
	Public sewer?		Tyes 📈 No
	To storm drain?		
	To ground?		<u>⊠</u> te ∏no
A15.	Do you or will you discharge wastewater (other than domestic waste	te from bathrooms, toilets, etc.) to an	onsite disposal system? Ix1 Yes     No
	or storm sewer?		Yes X No
			<del></del> 1 <del></del>
A16.	Do you or will you discharge wastewater (other than domestic was	te from bathrooms, toilets, etc.) to the	public sewer system? [] Yes 🔀 No
i œn	ify under penalty of law that this document and all attachments wer	a prepared under my diseasion as and	endition in accordance with a system decigned to
	e that qualified personnel property gather and evaluate the informat		
	n. or those persons directly responsible for gathering the informatio		
accur	ate, and complete. I am aware that there are significant penalties for		
know	ing violations.		
	Signature*		2
	Signature* Title	P. pli.	Date
	H.S. KAMEREL		

Koppers012751

#### Environmental Survey Instructions

#### cructions for Completing page A1

#### Section A-General Information

- 1. Enter the name or title of your business.
- 2. Enter the Division Name, if applicable.
- 43. Enter the address of the facility discharging to the City's sewer system.
- .14. Enter mailing address if different than A3.
- A5. Give the name of the person who is thoroughly familiar with the facts reported on this form and who can be contacted by the City staff.
- A6. Give a brief description of the facility. Include products or services.
- A8. Include all numbers that apply to business. Leave blank if not known.
- Al3. Types of environmental permits to list include but are not limited to air, hazardous waste, NPDES for discharges to surface waters.
- A16. Process wastewater could be discharged via a direct connection to the City's collection system, or through floor drains.
- \*This form should be signed by a responsible corporate officer, a general partner, or by a duly authorized representative. See 40 CFR 403.13(1) for full definition.

				Leave Blank: City use only Date Received:
		GENERAL INF	ORMATION	
Comple Signing	ete all applicable sec official must have	tions. Information must be typewritte authorization to provide such inform	on or clearly printed.	Attach requested information as needed. company, corporation, or partnership.
1. C		phone number: Koppers (if applicable) Tar Oper	Industries, I	nc./412-227-2001
2. M	failing Address:	Street or P.O. Box: 436 Seve City, State, Zip Code: Pittsbur	nth Avenue gh. PA 15219	-1800
3. F	Street or P.O. I	different from mailing address) Sox: 7540 NW St. He Code: Portland OR		
4. P	erson to be contacte Name: Address: City, State, Zip Title: Phone Number:	William E. Swe	ries Inc 15219-1800 onmental Prog	
5. P	erson to be contacte Name: Address: City, State, Zip Title: Phone Number:	d in case of an emergency:  Amos Kamerer  Koppers Indust  Code:  Dortland OR  Plant Manager  503-286-3681	ries Inc 97210-3663 FAX - 285-	7540 NW St. Helens Road 2831
Confide	entiality			
	indicate those sectioniality.	ions of this questionnaire that you	wish to remain con	fidential and your basis for requiring
Qualifi	ed Professional Cert	ification		·
require: Ordina	ments as specified in	the Federal General Pretreatment Re	gulations and amendr	nce with the applicable procedures and nents thereto, and the City's Sewer Use nation, including the possibility of fine
	<u>iam E. Swear</u>	ingen		
Signatu		gen MGR: Env. Progra	ms 7/28/94 Date	412-227-2883
_	ized Representative	/		. 1310
contain penaltic	pents therein. Further ed in this report. I es for submitting fals	rmore, based on my inquiry of those believe that the information is true, a	persons immediately raccurate, and complete y of fine and imprison	the the information in this report and all esponsible for obtaining the information at I am aware that there are significant ment. I further certify that the sampling parges.
Amo s	Kamerer (print)			
<del></del> (	AL/			
	···	Plant Manager	7/29/94	503-286-3681
Signatu	re	Title	Date	Phone

### Section I-Water/Wastewater Data

1.	Water use and distribution-Estimate the average quantity of water receive businesses, estimate flows).	red and wastewater discharged daily (for nev
	Supply From(gal/day) <u>City Water</u> Other Source  Water Used for:	Discharged To(gal/day) Sanitary Sewer Other
	Sanitary City of Portland/315 GPD	Sanitary Sewer/200 GPD
	Processes (see No. 10 for categorical users)	
	Boiler/Cooling Tower City of Portland / 7650 GPD	
	Cooling Water Contact	
	Washing (equipment washdown)	
	Irrigation	
	Air Pollution Control	
	Surface Water from rainfall/4000 GPD	NPDES/4000 GPD
	Water Hauler	Willamette River
	Other(Describe)	
	Total:	
	Water Account Number 4640172034 M 0178	
2	Are, or will, the discharges be continuous [ ] or batch $[X]$ ?	
3.	If batch discharge occurs or will occur, indicate:	
	(a) Percent processing as batch None	
	(b) Percent processing as continuous None	
	(c) Number of batch discharges N/A at (hours per disch	narge)
	(d) Average quantity per batch N/A gallons	
	(e) Flow rate N/A gallons/minute	·
4.	Discharge Period	
	(a) Hours of Day Operated or planned: M 24 T 24 W 24 T	Th 24 F 24 Sat 0 Sun 0
	(b) Duration of Discharge (hrs/day): M 24 T 24 W 24 T	n 24 F 24 Sat 0 Sun 0
5.	Variation of Operation	
	Is the business or proposed activity:  Continuous through the year $[X]$ , or  Seasonal [ ]—Circle the months of the year during which discharge	e occurs:
	J F M A M J J A S O	N D
6.	Process flow schematic: draw appropriate diagram(s) using the form in	Attachment A.
7.	Building layout: Draw layout of building using Attachment B.	

#### Section I-Water/Wastewater Data

Reference No.	Sewer Size (inches)		ve location of sewer n or discharge point	Daily Avg. flow (gal/day)
Unknown	8	Connect	to 36" main	200
		•		
· · · · · · · · · ·			<del></del>	<del></del>
General characteristic o known)	f wastewater or pr	roposed wastewa	ter discharge: (provid	de specific values for a b. d. e. :
(a) Temperature:	Don't know	x		
(b) pH level:	Don't knowx	<u> </u>		
(c) Flammable or exp	losive materials:	Yes [ ] No [ ]	k] Don't know [ ]	
(d) Fats, oils, and gree (e) 800 (mg/L):	Don't know	Don't know	IX I	
(f) TSS (mg/L):	Don't know	[x]		
(g) Solid or viscous n	naternal Yes [ ]	No [ ] Don'	t know [X]	
(h) Toxics: Yes [ ]	No [ ] Don't	know [X]		ONMENTAL SURVEY B
(i) Solvents: Yes [	] No [X] Don'	't know [ ]	ATTACHME	ENI A.
				processes or proposed regulated pro
(i.e., manufacturing proc	ess line covered b	y categorical pro	etreatment standards).	
(a) Tarel Blant Flow i	- Gallena Bar Dav	. (	d e. d	
(a) Total Plant Flow i	n Gamons Fer Day	(gpu) discharge	d to the sewer system	1:
Average No	ne	Maximum _	None	
<u> </u>		_	None	
Average No. (b) Individual Process		Per Day (gpd):		Type of Discharge
(b) Individual Process	Flows in Gallons	Per Day (gpd): Average	Maximum	Type of Discharge (batch, continuous, none)
(b) Individual Process  No. Regulated	Flows in Gallons Process flo	Per Day (gpd):		Type of Discharge (batch, continuous, none)
(b) Individual Process  No. Regulated	Flows in Gallons	Per Day (gpd): Average	Maximum	
(b) Individual Process  No. Regulated	Flows in Gallons Process flo	Per Day (gpd): Average	Maximum	
(b) Individual Process  No. Regulated	Flows in Gallons Process flo	Per Day (gpd): Average	Maximum	
(b) Individual Process  No. Regulated	Flows in Gallons Process flo	Per Day (gpd): Average	Maximum	
(b) Individual Process  No. Regulated  Not app	Flows in Gallons Process flo licable	Per Day (gpd): Average wrate (gpd)	Maximum flowrate (gpd)	(batch, continuous, none)
(b) Individual Process  No. Regulated	Flows in Gallons Process flo licable	Per Day (gpd): Average wrate (gpd)	Maximum flowrate (gpd)	(batch, continuous, none)
(b) Individual Process  No. Regulated  Not app	Process flo licable  mpling manhole str	Per Day (gpd): Average owrate (gpd)	Maximum flowrate (gpd)  consite? Yes [ ] No	(batch, continuous, none)  o [ X ]
(b) Individual Process  No. Regulated  Not app  Is an inspection and sar  If yes, provide loc Location description	Process flo licable  npling manhole structure attorns	Per Day (gpd): Average owrate (gpd)  ructure available actude as part of	Maximum flowrate (gpd)  consite? Yes [ ] No	(batch, continuous, none)
(b) Individual Process  No. Regulated  Not app  Is an inspection and sar  If yes, provide loc	Process flo licable  npling manhole structure attorns	Per Day (gpd): Average owrate (gpd)  ructure available actude as part of	Maximum flowrate (gpd)  consite? Yes [ ] No	(batch, continuous, none)  o [ X ]
(b) Individual Process  No. Regulated  Not app  Is an inspection and sar  If yes, provide loc Location description If no, is one plant	Process flo  licable  mpling manhole sure ation below and in on: ned? Yes [ ] N	Per Day (gpd): Average iwrate (gpd)  ructure available include as part of	Maximum flowrate (gpd)  consite? Yes [ ] Note the process flow scheme	o [ X]
(b) Individual Process  No. Regulated  Not app  Is an inspection and sar  If yes, provide loc Location description If no, is one plans  Do you or plan to have	Process flo  licable  poling manhole structure attorned? Yes [ ] N  automatic sampling	Per Day (gpd): Average iwrate (gpd)  ructure available include as part of	Maximum flowrate (gpd)  consite? Yes [ ] Note the process flow scheme	(batch, continuous, none)
(b) Individual Process  No. Regulated  Not app  Is an inspection and sar  If yes, provide loc Location description If no, is one plans  Do you or plan to have use or included in futur	Process flo  licable  poling manhole structure ation below and in the low and in	Per Day (gpd): Average iwrate (gpd)  ructure available include as part of io [x] ing equipment or	Maximum flowrate (gpd)  consite? Yes [ ] No the process flow sche continuous wastewater	(batch, continuous, none)  o [ X]  emanic (see Attachment O).
(b) Individual Process  No. Regulated  Not app  Is an inspection and sar  If yes, provide loc Location description If no, is one plant  Do you or plan to have use or included in futur  Current: Sampling Eq	Process flo  licable  npling manhole structure ation below and in the control of	Per Day (gpd): Average owrate (gpd)  ucture available oclude as part of to [x]  ng equipment or  No [ ] N/A	Maximum flowrate (gpd)  consite? Yes [ ] Note the process flow scheme	(batch, continuous, none)  o [ X ]  emanic (see Attachment O).  r flow metering equipment current  Yes [ ] No [ ] N/A [ 2
(b) Individual Process  No. Regulated  Not app  ls an inspection and sar  If yes, provide loc Location description If no, is one plans  Do you or plan to have use or included in future Current: Sampling Eq Planned: Sampling Eq	Process flo  licable  npling manhole structure atton below and in the control of	Per Day (gpd): Average owrate (gpd)  ucture available nelude as part of lo [x]  ng equipment or  No [] N/A	Maximum flowrate (gpd)  consite? Yes [ ] No the process flow sche continuous wastewater [X] Flow Metering [X] Flow Metering	(batch, continuous, none)  o [ X ]  ematic (see Attachment O).  r flow metering equipment current.  Yes [ ] No [ ] N/A [ : Yes [ ] No [ ] N/A [ :
(b) Individual Process  No. Regulated  Not app  Is an inspection and sar  If yes, provide loc Location description If no, is one plant  Do you or plan to have use or included in future Current: Sampling Eq Planned: Sampling Eq  If so, please indicate the	Process flo  licable  npling manhole structure atton below and in the control of	Per Day (gpd): Average owrate (gpd)  ucture available nelude as part of lo [x]  ng equipment or  No [] N/A	Maximum flowrate (gpd)  consite? Yes [ ] No the process flow sche continuous wastewater [X] Flow Metering [X] Flow Metering	(batch, continuous, none)  o [ X ]  ematic (see Attachment O).  r flow metering equipment current  Yes [ ] No [ ] N/A [: Yes [ ] No [ ] N/A [:
(b) Individual Process  No. Regulated  Not app  ls an inspection and sar  If yes, provide loc Location description If no, is one plans  Do you or plan to have use or included in future Current: Sampling Eq.	Process flo  licable  npling manhole structure atton below and in the control of	Per Day (gpd): Average owrate (gpd)  ucture available nelude as part of lo [x]  ng equipment or  No [] N/A	Maximum flowrate (gpd)  consite? Yes [ ] No the process flow sche continuous wastewater [X] Flow Metering [X] Flow Metering	(batch, continuous, none)  o [ X ]  emanic (see Attachment O).  r flow metering equipment current Yes [ ] No [ ] N/A [:
No. Regulated  No t app  Is an inspection and sar  If yes, provide loc Location description If no, is one plans  Do you or plan to have use or included in future Current: Sampling Equation Planned: Sampling Equation (Sampling Equation)  If so, please indicate the below:	Process flo  Process flo  licable  Inpling manhole structure in the struct	Per Day (gpd): Average owrate (gpd)  ructure available nelude as part of lo [x] ng equipment or No [] N/A No [] N/A	Maximum flowrate (gpd)  consite? Yes [ ] No the process flow sche continuous wastewater [X] Flow Metering [X] Flow Metering quipment on the sewer	(batch, continuous, none)  o [ X]  emanic (see Attachment O).  flow metering equipment current  Yes [ ] No [ ] N/A [: Yes [ ] No [ ] N/A [:
No. Regulated  No t app  Is an inspection and sare  If yes, provide location description  Location description  If no, is one plans  Do you or plan to have use or included in future Current: Sampling Eq. Planned: Sampling Eq. Planned: Sampling Eq. If so, please indicate the below:	Process flo  Process flo  licable  Inpling manhole structure in the struct	Per Day (gpd): Average owrate (gpd)  ructure available nelude as part of lo [x] ng equipment or No [] N/A No [] N/A	Maximum flowrate (gpd)  consite? Yes [ ] No the process flow sche continuous wastewater [X] Flow Metering [X] Flow Metering quipment on the sewer	(batch, continuous, none)  o [ X ]  ematic (see Attachment O).  r flow metering equipment current  Yes [ ] No [ ] N/A [ Yes [ ] No [ ] N/A [

#### Section II-Business/Facility Description

PURPOSE-The busin			y used	េ	determine	the	substances	which	may	enter	into	the	wastewater
discharge from the bu	siness activity.												
	·	<del></del>											

1. <u>Business activity</u>—(Complete a separate sheet for each major or proposed business activity or product line on premises.) Activity: Melting & Blending SIC Nos.: 2865

(a) Raw materials used or planned for use:

Coal Tar Products

(b) Chemicals used or planned for use:

Coal Tar Products

(c) Product (new businesses provide best estimates):

	Past Ca	alendar Year	Estimate This Calendar Year			
Towns of Deads on	Amounts Per I	Day (Daily Units)	Amounts Per Dav (Daily Units)			
Type of Product (Brand Names)	Average	Maximum	Average	Maximum		
Creosote	5000 Gal.	15000 Gal.	1500 Gal	15000 Gal.		
Pitch	90 Tons	270 Tons	90 Tons	270 Tons		

(d) <u>Description</u>—Describe each wastewater generating or proposed operations or manufacturing process. Indicate variations in production and operations during the year. (Use additional sheets as necessary.)

No process wastewater generated

(e) Substances Discharged-Give common and technical names of each major raw material and product that may be discharged to the sewer. Briefly describe the physical and chemical properties of each substance and products. (use additional sheets if necessary.)

NAME

DESCRIPTION

No process wastewater is discharged

# PART B: CATEGORICAL USERS Section III-Permit Application Monitoring

1. St	immarize Each Regul	ated Process:			
Pr	rocess Description	Production Rate	Pretreatment Standard Category	Subpart	Flow
_	Blending	N/A	414	G	None
_	Melting		414		None
	otal plant flow: No:	•			
2. N		•	concentrations in mg/L o	r mass in lbs):	
	The industrial use if applicable). P additional sheets regulated by the a samples and how	r must perform sampling rovide the analytical da if necessary (simply xer pplicable category need many samples to take.	and analysis of the effluta for the regulated process the table and question be reported. Refer to bath if the effluent sample process flows are committed.	scesses in the space property one below). Only those ckside for further instructions were taken at one control of the control	ovided below. Attach e pollutants specifically ctions on where to take
	Regulated Process	line(s): None			
	Process Flow(s) (	Daily ave. in mgd):	None	_	
	ANA	I VTTCAL DESIRTS C	OF PROCESS WASTEW	ATED DISCUADGES	
Pollut	<del></del>		None	ATER DISCHARGES	
_	ıly Avg. Limit		Not applicable		
_	ted Average		Not applicable		
	Max. Limit				
•	ted Maximum				
b.		. composite):			
c.					
d.					
<b>e</b> .		· ·			
f.				-	
g.					
b.			labs performing analyses		
			1		
	Name:		Address:		

## Section III—Permit Application Monitoring

PART	<b>B</b> :	CATEGORICAL USERS

			•			
4.	Total	l Toxic Organics (TTOs):	Not applica	ble	•	
	TTO comp toxic	lities who use toxic organics pretreatment standards and pliance with TTO standards corganics. If you do not use but you must answer quest	must initially sample for a can develop a solvent man toxic organics in your ma	TTO and determine of agement plan in lieu	ompliance. Facilities found of baving to periodically a	d to be in
	(a)	We presently do not or plan applicable categorical pretre			under the TTO standard loca	ated in the
	<b>(</b> b)	We presently use or plan to Parts c and d.	o use organic toxicants liste	d in the categorical p	retreatment standards. [ ]	Complete
	(c)	A PAMF has previously be Yes [ ] No [ ]	en submitted which contain	s TTO information.		
	(d)	A solvent management plan Yes [ ] No [ ]	has been developed and is	attached.		
5.	Com	pliance Certification	Not applicab	le		
	(a)	Is the facility meeting appli	icable categorical pretreatme	ent standards on a co	nsistent basis?	
	(b)	If no, do you require:				
		(1) Additional operation a (2) New or additional pre	and maintenance (O&M) to treatment facilities to achie			
	(c)	If additional O&M or new on a consistent basis, attach indicating dates for the con Note: The final compliance pretreatment standard. Wr specified in the compliance	a description of it and a some nemember and completion to date in this schedule sha itten progress reports are	chedule on separate s n of major events lea Il <u>not</u> be later than t	theets. Project increments of ding to compliance with the ne compliance date for the	of progress e standard. applicable
	(d)	I have provided a co	empliance schedule.			
he equ am Wi	reby o		d Pretreatment Regulations	and amendments there	to and the City's sewer use	ordinan∝.
v 1	/-	el.				
	Um	Ancounger	Mgr., Env. Program		412-227-2883	Dhome
Sign	ature	Û	Title	1	Jate	FILE
A net	orizeo	d Representative Statement:				
cen attac	ntify to chroen ained dries f	ander penalty of law that I has therein. Furthermore, base in this report. I believe that for submitting false information onted are representative of n	d on my inquiry of those positive, action, including the possibility	ersons immediately recurate, and complete, of fine and imprisons	sponsible for obtaining the i I am aware that there are sent. I further certify that th	nformation significant
	os K ne (pari	(amerer int)	-			
			Plant Manager	8/8/94	503-286-3681	
Sign	ature		Title		503-286-3681 Date	Phone

#### ATTACHMENT B-BUILDING LAYOUT

Draw to scale the location of each building on the premises. Show location of all water meters (current and planned), storm drains, numbered unit processes (from process schematic(s)), community sewers and each side sewer connected to the community sewers, automatic sampling equipment (current and planned), location of pretreatment processes, treated flows and untreated flows, name and location of pertinent streets. Use flow schematic to indicate process and process discharge in gpd. Number each side sewer and show possible sampling locations (sampling manhole).

An attached blueprint or drawing of the facilities showing the above items may be substituted for a drawing on this sheet. See example on the back.

# SEE ATTACHED DRAWING L-7106-15



	BUREAU OF ENVIRONMENTAL SERVICES	Environmenta	l Survey		
SECT	ION B - DETAILED WASTEWATER INF	ORMATION	• • • •		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Company Name	COPPERS INDUS		
		Facility Address	7540 NW ST HE	LENS ROAD	
B1.	Please describe processes to be used in your NC PROCESS WASTEWATER IS	facility that will resu GENERATED AT	PORTLAND, OR ultor may result in w THIS FACILI	97210 rastewater discharge to th TY STORMWATER	e public sewer system.  IS COLLECTED AND
	DISCHARGED TO NPDES OUTF				
			<del> </del>		
•		<del> </del>	•	<del></del>	
B2.	This facility generates or will generate the fo	ollowing types of was			·
	•	•	Average gallons	Peak gallons	et to the
	and a sector (material and a sector)	abanian ata	per day 200		•
	[X] Domestic wastes (restrooms, employee Estimate 35 gallons per day for each er	SHOWELS' CIC"			
	Cooling water, noncontact	iipioyee)			•
	Boiler/Tower blowdown				
	Cooling water. contact			<del></del> .	
	Process	•			
	Equipment/Facility Washdown				
	Air Pollution Control Unit			<del></del>	
	Stormwater runoff to sewer			<del></del>	
	Other (describe)				
	Cleanup	* 4			
	• •	•			
	Tota	1	200	350	
B3.	Products Produced: (Attach additional sheet  Type Amount and Rate of Production		s		
	-	MINING	C MEDITAL		
	MIXTURES	MIXING	& MELTING	•	
		<del></del>	<del></del>		
			<del></del>		
B4.	Water supplied from: (Best estimate if not i	metered)			
	(City, Well, etc.)				
	•••	•			
	Water Source(s) Water Acct No.		Quantities*		
	46.401.7202.4	Estimated	Meter	***	
	a. <u>CITY</u> 4640172034			gal/day	•
	b	<del></del>		gal/day gal/day	
	с	*1 ccf = 748 ga	illone	gavoay	
		1 ca - 740 ga	iiots		
	Total				
B5.	Wastes are discharged or may be discharged	to: Average gallons	Peak gallons		
	(check all that apply)	per day	per day		
	[X] Sanitary sewer	200	. 350		••
	[ ] Storm sewer		<del></del>		
	[X] Surface water NPDES	4000	6000		
	[ ] Groundwater (onsite disposal)				
	Waste haulers	<del></del>			
	Other (describe)		<u> </u>		

Are the discharges batch [X]? continuous [ ]?

6350

4200

Total

	s:  Estimated gallons or pounds	
tem No.	per year	
[ ] Acids [ ] Alkalies [ ] Heavy metal sludges [ ] Inks/dyes [ ] Oil and/or grease [ ] Organic compounds [ ] Paints [ ] Pesticides [ ] Plating wastes [ ] Pretreatment sludges [ ] Solvents/thinners [ ] Other hazardous wastes	specify)	
[ ] Other wastes (specif	· · · · · · · · · · · · · · · · · · ·	
Onsite storage location		
hauler's name address hauler's DEQ permit #		
address		
hauler's DEQ permit #phone number		
Describe the method(s) of storage of	disposal checked above.	

	<b>A</b> .	Discha	rged to	Spill Po	tential	Chaminal Constitution
Generic Type	Amount Per Year	Storm	Sanitary	Storm	Sanitary	Chemical Constituents or Brand Name
Example: Degreaser	3 gallons			_x_		Trichloroethylene
SEE THE AT	TACHED FIR	E MARS	SHALL'S	SURVE	Y FOR I	1993
	<del></del>					
· · · · · · · · · · · · · · · · · · ·						
			<del></del>			
· · · · · · · · · · · · · · · · · · ·			_			
						·
	<del></del>					
[X] Yes [] No	Bureau the ons					iquids or solids, hazardous chemicals, or radioactive materials
O. Have you listed with the Fire  [X] Yes [ ] No	Bureau the ons			erand names		iquids or solids, hazardous chemicals, or radioactive materials quantities are being stored (use extra sheets if needed or atta
O. Have you listed with the Fire [X] Yes [ ] No  If yes, list materials, if any, a copy of Fire Bureau list).  S-Scientific/C-Common	Bureau the ons	c or com	mon and b	wand names	and what	quantities are being stored (use extra sheets if needed or atta
O. Have you listed with the Fire [X] Yes [ ] No  If yes, list materials, if any, a copy of Fire Bureau list).  S-Scientific/C-Common  a. SEE THE ATT b.	Bureau the ons	c or com	mon and b	wand names	and what	quantities are being stored (use extra sheets if needed or atta
O. Have you listed with the Fire [X] Yes [ ] No  If yes, list materials, if any, a copy of Fire Bureau list).  S-Scientific/C-Common  a. SEE THE ATT	Bureau the ons	c or com	Brand N	wand names	and what	quantities are being stored (use extra sheets if needed or atta
O. Have you listed with the Fire [X] Yes [] No  If yes, list materials, if any, a copy of Fire Bureau list).  S-Scientific/C-Common  a. SEE THE ATT  b. c. d.	Bureau the ons	E MARS	Brand N	Name SURVE	FOR 1	quantities are being stored (use extra sheets if needed or atta
O. Have you listed with the Fire [X] Yes [] No  If yes, list materials, if any, a copy of Fire Bureau list).  S-Scientific/C-Common  a. SEE THE ATT  b. c. d.  11. Do you have an accidental specific and the second	Bureau the ons  nd their scientifi  PACHED FIRE  color prevention p	E MARS	Brand N	Name SURVE	FOR 1	quantities are being stored (use extra sheets if needed or atta
O. Have you listed with the Fire [X] Yes [] No  If yes, list materials, if any, at copy of Fire Bureau list).  S-Scientific/C-Common  a. SEE THE ATT  b. c. d.  II. Do you have an accidental split yes, attach plans.  Characteristics of Wastewate  a. Temperature	Bureau the ons  and their scientific  CACHED FIRE  CACHED FIRE  Con't know []  know []  naterials Yes [ Yes [ Yes [	E MARS rogram fo	Brand I	Name S SURVEY Sity? [A] Yes  ow [] ow []	FOR I	quantities are being stored (use extra sheets if needed or atta
10. Have you listed with the Fire [X] Yes [] No  If yes, list materials, if any, a copy of Fire Bureau list).  S-Scientific/C-Common  a. SEE THE ATT  b. c. d.  11. Do you have an accidental spling yes, attach plans.  12. Characteristics of Wastewate  a. Temperature	Pached First  CACHED FIRST  Con't know []  know []  naterials Yes [  Yes [  Yes [  Oriority pollutant  sis that has been  sonnaire. Be sur	E MARS  Or com  No [X] No [X] No [X] S list.)	Brand P BHALL'S  Or the facil  Don't kn Don't kn ed on the	ow [] ow [] If ye wastewater te of the an	FOR 1	Quantities are being stored (use extra sheets if needed or atta
O. Have you listed with the Fire [X] Yes [] No  If yes, list materials, if any, a copy of Fire Bureau list).  S-Scientific/C-Common  a. SEE THE ATT  b. c. d.  1. Do you have an accidental split yes, attach plans.  2. Characteristics of Wastewate  a. Temperature	Pached First  CACHED FIRST  Con't know []  know []  naterials Yes [  Yes [  Yes [  Oriority pollutant  sis that has been  sonnaire. Be sur	E MARS  Or com  No [X] No [X] No [X] S list.)	Brand P BHALL'S  Or the facil  Don't kn Don't kn ed on the	ow [] ow [] If ye wastewater te of the an	FOR 1	Quantities are being stored (use extra sheets if needed or atta

B14. If your facility uses processes in any of the industrial categories or business activities listed below and any of these processes generate or cogenerate wastewater or waste sludge, place a check beside the category or business activity (check all that apply).

	• •		
	al Categories		
EPA .	ar Caregorics .	·	
Category			
Code	Category		
467 [			
	Battery manufacturing		
434 [	Coal mining	:	
465	Coil coating		
468	Copper forming		
469	Electric & electronic components		
413		te Attach	ment B)
415			,
420 j			
	Leather tanning & finishing		•
	Metal Finishing (If checked, please comp	icte Atta	chment B)
464 [	Metal molding & casting (Foundries)		,
471 (			
421 [	Nonferrous metals manufacturing		
414 & 416 [	Organic chemicals, plastics, & synthetic (	ibers	
455 [	1 Pesticides		
419 (			
	Pharmaceuticals		
463 [	Plastics processing		
	Porcelain enamel		
430 & 431			
428			
423			
410 [			
429 [			
•			
b. Other	Business Activity		
	1 Adhanisan		
Į			
	Analytical laboratories		
_	Auto laundries		
	Beverage bottler		
	Can making		
403 {	Dairy products		
457.6	Dry Cleaners		
457 [			
Į	Food/edible products processor		
-	Gas stations		
454 [			
l l	Health services		
460 [			
Ţ	] Laundries		
. 1	Machine shops		
l l	Mechanical products		
440 [	) Ore mining		
446 & 447 [	Paint & ink		•
459 [	Photographic supplies		
ĺ	Printing & publishing		
ſ	Radiator Shops		
1	Slaughter/meat packing/rendering		
417 [	Soaps & detergents		
(	Used oil reclaimers		
Ì	Waste recycler		
į	Other		
•			

D15 A	Attach a simple schematic drawing(s) of your facility, indicating: (Drawings should be 11 x 17, or smaller)
; l	Location and size of all service outlets, process drains, floor drains  Existing sampling manholes or locations where samples may be collected  Current of planned flow metering equipment
	d. Current or planned automatic sampling equipment  Location of pretreatment processes, treated flows, and untreated flows
9	Location of pretrainent processes, treated nows, and uniterated nows  Location and name of pertinent streets
	h Chemical \$107age location
i	i. Storm drain location, if known
B16.	Pretreatment devices or processes used for treating wastewater or sludge (check as many as appropriate).
	Air flotation
•	Carbon filtration  Centrifuge
	Chemical provide testing
	Chlorination
	[] Cyclone
	Evaporation
	[ ] Fittration
	[] Fitration, Multi-media
	Filtration, Rotary  Filtration, Sand
	the second of th
	Grease or oil separation, type
	Grease trap
	Crinding titler
	[] Grit removal
	[] Ion exchange
	Neutralization, pH correction Ozonation
	Dominio amortis
	11
	Continuous in the continuous cont
	Septic tank
	Solvent separation
	[] Spill protection
	[] Sump
	Biological treatment, type
•	Rainwater diversion or storage  Other chemical treatment, type
	Och an abusined services are a service services and a service services are a service services and a service service services are a service services and a service service services are a service services and a service service services are a service services and a service service services are a service services and a service service service services are a service services and a service service service services are a service services and a service service service services are a service service service services and a service service service services are a service service service services and a service service service service services are a service service service services and a service serv
	Other has
	No pretreatment provided
<b>B</b> 17	. Is additional pretreatment required? [K] Yes [] No [] Don't know If yes, describe necessary pretreatment.
B18	Is industry in compliance with City industrial pretreatment ordinance? [X] Yes [] No [] Don't Know  See ordinance.
B19	D. Is industry in compliance with Federal Categorical standards? [6] Yes [7] No [7] Don't Know
B26	Are any process changes or expansions planned during the next three years? [] Yes [X] No  If yes, attach a separate sheet to this form describing the nature of planned changes or expansions.
B2	1. Please describe any previous spill events and remedial measures taken to prevent their reoccurrence:
	OCCASIONAL SPILLAGE OF MATERIALS FROM LOADING AND UNLOADING OPERATIONS. PAVING AND
	DIKING ADEQUATE TO CONTAIN MATERIALS. MOST MATERIALS CLEANED UP AND RECYCLED BACK
	TO PRODUCT. ANY SOLID WASTE IS DISPOSED OF IN APPROPRIATE MANNER.

B22.	Comments: THIS FACILITY DOES NOT PRODUCE PROCESS WASTEWATER. STORMWATER IS DISCHARGED	
	THROUGH REGULATED OUTFALL INTO WILLAMETTE RIVER IN COMPLIANCE WITH NPDES PERMIT	
	#101003. ONLY SANITARY WASTE IS DISCHARGED TO SEWER TO CITY OF PORTLAND.	
	••	
	ify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the	to
	n. or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, ate, and complete. I am ware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment f	or
	ing violations.	
	Signature Title PLANT MANAGER Date 9/3/94	
•Thi	form should be signed by a responsible corporate officer, a general partner, or by a duly authorized representative. See 40 CFR 403.12(I) for full	

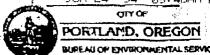
### Attachment A PRIORITY POLLUTANT INFORMATION

Please indicate by placing an "X" in the appropriate space by each listed chemical whether it is Suspected to be Absent, Known to be Absent, Suspected to be Present, or Known to be Present in your manufacturing or service activity or generated as a byproduct. Some compounds are known by other names. Please refer to the Priority Pollutant Synonym Listing for those compounds which have an asterisk (\*).

Item No.	CASRN	Chemical Compound	Suspected Absent	Known Absent	Suspected Present	Known Present
1	7664417	ammonia	·	-		
Z	1332214	asbestos (fibrous)				
3	57125	cyanide (total)			and the second second	5 A M 5 A
4	7440360	antimony (total)			. 1975 kirja.	SAT 1
5	7440382	····arsenic (total)	• •	ar a see sees	S. S. S. Weige	
6	7440417	beryllium (total)	· atym		i isa ner	Naj 1 kira 💌
7	7440439	-cadmium (total)			N - 1 S to 1 B	LA GOVERNOR
8	7440473	chromium (total) ··				3 27 <b>5</b> ,1 5
9	7440508	copper (total)	· · · .		e 105	<u> </u>
10	7439921	lead (total)			er soften er er er	k saka y
11	7439976	mercury (total)	144 A 144			1935 British
12	7440020	nickel (total)				
-13	7782492	selenium (total)	* **			
14	7440224	silver (total)				· ·
15	7440280	thallium (total)				
16	7440666	zinc (total)		· Marie		<u> </u>
: 17	83329	acenaphthene				·
18	208968	acenaphthylene				
19	107028 -	acrolein	-	<u> </u>	.:	
20	107131	acrylonitrile				
21	309002	aldrin	<del></del>			
	120127	anthracene	<u> </u>			
23	71432	benzene		<u> </u>	No. No. 184	<i></i>
24	92875	benzidine	<del></del>	# 1	n N	
25	56553	benzo(a)anthracene*		and the same of th		
26	50328	benzo(a)pyrene*			, , , , , , , , , , , , , , , , , , , ,	
27	205992	benzo(b)fluoranthene				·
28	191242	benzo(g,h,i)perylene*			The two sections of the section of t	12m3.
29	207089	benzo(k)fluoranthene*		wangs o can be seen		The second secon
30	319846	a-BHC(alpha)				**************************************
31	319857	b-BHC(beta)				10 m
32	319868	d-BHC(delta)				
33	58899	g-BHC*(gamma)				
34	111444	bis(2-chloroethyl)ether*				
35	111911	bis(2-chloroethoxy)methane*			San are a second of the second	<u> </u>
36	108601	bis(2-chloroisopropyl)ether*		<u> </u>		
37	542881	bis(chloromethyl)ether*			<u>:-</u>	

#### Attachment A (Continued)

ltem			Suspected	Known	Suspected	Known
	CASRN	Chemical Compound	Absent	Absent	Present	Present
79	acous above	1.6-dinitro-2-methylphenol*				
80	51285	2.4-dinitrophenol	•			
81	121142	2.4-dinitrotoluene				
82	606202	2,6-dinitrotoluene			1,5	
83	122667	1.2-diphenylhydrazine*			-	
84	959988	endosulfan I* ·······	· .			•
85	33213659	endosulfan II*			•	· · · · · · · · · · · · · · · · · · ·
86	1031078	endosolfan sulfate				•
87	72208	endrin				•
88	7421934	endrin aldehyde	· · · · · · · · · · · · · · · · · · ·	•	•	
89	100414	ethylbenzene				•••
90	206440	fluoranthene			121.	
91	86737	fluorene*				
92	76448	heptachlor				
93	1024573	heptachlor epoxide	-			· · · · · · · · · · · · · · · · · · ·
94	118741	hexachlorobenzene*				
95	87683	hexachlorobutadiene	· .			
96	77474	hexachlorocyclopentadiene*				
97	67721	hexachloroethane*				
98	193395	indeno (1.2.3-cd)pyrene*				
99	78591	isophorone*				
100	74873	methylene chloride*	·			
101	91203	naphthalene	•			
102	98953	nitrobenzene				
103	88755	2-nitrophenol*				
104	100027	4-nitrophenol*				
105	62759	n-nitrosodimethylamine*	•			
106	621647	n-nitrosodipropylamine*				
107	86306	n-nitrosodiphenylamine*				
108	12674112	PCB-1016*				
109	11104282	PCB-1221*				
110	11141165	PCB-1232*				
	53469219	PCB-1242*				
	12672296	PCB-1248*				-
	11097691	PCB-1254*				
	11096825	PCB-1260*				
	87865	pentachlorophenol	:			
	85018	phenanthrene				
117		phenol				
***************************************	129000	pyrene	·			
	1746016	2_3.7.8-tetrachlorodibenzo-p-dioxin*	:	•		
119	1 1 140010	25.7.6-tettacniorodioenzo-p-dioxin	I	-I	<u></u>	<u> </u>



	BUREAU OF ENVIRONMENTAL SERVICES Environmental Survey
ECI	TION B - DETAILED WASTEWATER INFORMATION  Company Name KOPPERS INDUSTRIES, INC.
	Facility Address 75 40 N. W. ST. HELENS RD.
31.	Please describe processes to be used in your facility that will result or may result in wastewater discharge to the public sewer system.
-	NO PROCESS WASTEWATER IS GENERATED AT THIS FACILITY
	STORMWATER COLLECTED AND DECHARGED TO NADES OUTFALL
9 <b>2</b> .	DOMESTIC SELVAGE ONLY TO CITY OF DOET HAVE This facility generates or will generate the following types of wastes (check all that apply):
	Average gallons Peak gallous  per day per day
•	W Domestic wastes (restrooms, employee showers, etc. 350
t	Cooling water, noncontact
	Boiler/Tower blowdown   Don't well the   Don't well the
	Process   Equipment/Facility Washdown   Zoros 1   Process     Equipment/Facility Washdown
!	Air Pollution Control Unit
	[] Stormwater runoff to sewer [] Other (describe)
	noed quantities
	Total 200 350
٠.	Time and Duration of Discharge 1 24 lours - batch - 4to 5 days per week.
1	Cleanup Time: Variable
83.	Products Produced: (Attach additional sheets as necessary)
	Type Amount and Rate of Production Process
	Mixtures Merina Meltins
	Mystures Mixing Melting
	- Im.
B4.	Water supplied from: (Best estimate if not metered) (City, Well, etc.)  Amos get these
	(City, Well etc.)
	Water Source(s) Water Acct No. Water Quantities*
	a. CTT 4640172034. Estimated Motor & 29 gal/day
	b. gal/day wales bills.
	*1 ccl = 748 gallons
	Total
<b>B</b> 5.	Waster are discharged or may be discharged to: Average gallons Peak gallons
	(check all that apply) per day per day
	Storm sewer See suclosed
	Surface water APDES [] Groundwater (onsite disposal)
	1) Waste hauters
	1) Other (describe)
	Total 4200 6350
	Are the discharges tauch (M' continuous [ ]?
	Le metter
	morror and in water
	mon VI Havor

	•
	Estimated gallons or pounds
	per year
Item No.	
[] - Anids .	
1 Alkalies	· ·
Heavy metal studges	gangapitangkhitan dingatar dinyatirangapan pangapan r>Pangapan pangapan pangap
[ ] Inks/dyes	A 3 h A State Company and the Annual Company
Oil and/or grease	Charles and the second
Organic compounds	
Paints	- stup
[ ] Pesticodes	. · ·
Plating wastes	The control of the co
Pretreatment sludges	···· And Andreas and Andreas and Andreas Andre
Solvenus/thinners	digraphing recognization and account of the second of the
Other hazardous wastes (specify)	AND was substituted in the control of the control o
	•
[ ] Other wastes (specify)	
For the above checked wastes, does your compa	any practice:
11 Onsite storage location	
Offsite storage	man magan , v <u>Landard de la landar de la</u>
hauler's name	
address	Annual Control of the
hauler's DEQ permit #	
phone number	- ARWh
[] Onsite disposal	
1   Offsite disposal	<b>,</b>
• •	
hauler's name	And-Mills (Mills
address	**************************************
address	
address hauler's DEQ permit #	
address hauler's DEQ permit # phone number	
address hauler's DEQ permit # phone number	

						,
		Discharged to	Spill	Potential		
Generic Type	Amount Per Year	Sorm Sanite	ry Storm	Sanitary		Themical Constituents or Brand Name
cample: Degreaser	3 gallons	<b>,</b>	×		Trichloroethylene	
Gasole	<b>&gt;</b>				PAHL	- Complex menture
Pitches	>	AMERICAN AND AND AND AND AND AND AND AND AND A	·		DAM	- Complex minture
5	<del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> -					10/20 dron to
7	- <del>-</del>		·			MA- in Contract
					*	o yane compour
and the state of t	· · · · · · · · · · · · · · · · · · ·					
		· .			With the second	
			. <u></u>			
	- '					<del></del>
(Attach additional sheets in Have your listed with the F	• •	sile storage of fla	mmable or o	combustible li	quids or solids, haza	rdous chemicals, or radioactive materia
Have your isled with the F	ire Bureau the ons				ممر	rdous chemicals, or radioactive materia stored (use extra shoess if needed or at
Have your isled with the F	ire Bureau the ons	ic or common an			ممر	stored (use extra sheess if needed or at
Have your isled with the F Have your isled with the F Have ( ) No If yes, list materials, if any, copy of Fire Bureau list)	ire Bureau the ons	ic or common an	i brand nam		quantities are being :	stored (use extra sheess if needed or at
Have your isled with the F    No  If yes, list materials, if any, copy of Fire Bureau list)  S-Scientific/C-Common  'a. b.	ire Bureau the ons	ic or common an	i brand nam		quantities are being :	
Have your isled with the F    West list materials, if any, copy of Fire Bureau list)  S-Scientific/C-Common  'a.	ire Bureau the ons	ic or common an	i brand nam		quantities are being :	stored (use extra sheess if needed or at
Have your isled with the F    No  If yes, list materials, if any, copy of Fire Bureau list)  S-Scientific/C-Common  'a. b.	and their scientifi	Bran	d Name	nes and What	quantities are being s	sored (use extra shoess it needed for all forms - attach to listing
Have you listed with the F	and their scientification spill prevention p	Bran	d Name	nes and What	quantities are being s	stored (use extra shoess if needed or attended to atte
Have you listed with the F    No    S-Scientific/C-Common    No	spill prevention pater:  Don't know [] tenserials Yes [ als Yes [	Brance of common and Brance of Common and Brance of	d Name	es [] No 1	Lbs or Gallons  Lbs or Gallons  Emergency response	sored (use extra shoess it needed for all forms - attach to listing

B14. If your facility uses processes in any of the industrial categories or business activities listed below and any of these processes generate or cogenerate wastewater or waste studge, place a check beside the category or business activity (check all that apply)

a. Industrial Categories EFA . Category Category Code 467 Aluminum forming Battery manufacturing Coal mining 434 Coll conting 465 468 Copper forming 464 Electric & electronic components Electroplating (If checked, please complete Attachment B) 415 Inorganic chemicals 420 1 Iron & steel 425 1 Leather tanning & finishing 433 [ Metal Finishing (If checked, please complete Attachment B) 464 ( ) Metal molding & casting (Foundries) 471 [ Nonferrous metals forming 421 [ Nonferrous metals manufacturing Organic chemicals, plastics, & synthetic fibers 414 & 416 [ ] Pesticides 455 [ ] 419 [ Petroleum relining 439 **Pharmaceuticals** 463 ( Plastics processing 466 Porcelain enamel 430 & 431 { Pulp, paper, and liberboard 428 Rubber 423 Steam electric

b. Other Business Activity

Textile mills

Timber products (wood preserving)

410 [ ]

429 [ ]

Analytical laboratories Auto laundries Beverage bouler Can making 405 [ ] Dairy products Dry Cleaners 457 [ Explosives manufacturing Food/edible products processor Gas stations 454 Gum & wood chemicals Health services 460 Hospital -Laundries Machine shops Mechanical products 440 Ore mining 446 & 447 [ Paint & ink Photographic supplies Printing & publishing Radiator Shops Slaughter/meat packing/rendering 417 [ ] Soaps & delergents Used oil reclaimers Waste recycler Other

Amos, we are
classified 414 but
Portland plant does not
generate process
wostwooder!
only starmwater
Exp this sheet will
be the left blank!

B15.	Attach a simple schematic drawing(s) of your facility, indicating: (Drawings should be 11 x 17, or smaller)
`	Attach a simple schematic drawing(s) of your facility, indicating: (Drawings should be 11 x 17, or smaller)  a. Location and size of all service outlets, process drains, floor drains b. Existing sampling manholes or locations where samples may be collected c. Current or planned flow metering equipment d. Current or planned automatic sampling equipment e. Location of pretreatment processes, treated flows, and untreated flows f. Location and name of pertinent streets g. Flow schematic to indicate process and process discharge in gpd h. Chemical storage location
	i. Storm drain location, if known
<b>B</b> 16	Pretreatment devices or processes used for treating wastewater or sludge (check as many as appropriate).
	Air Dotation Centringe Chemical precipitation Chlorination Cyclone Evapuration Filtration, Multi-media Filtration, Rotary Filtration, Sand Filtration, Sand Filtration, Sand Filtration, Sand Filtration, Sand Filtration, Sand Filtration, Sand Filtration, Sand Filtration, Sand Filtration, Sand Filtration, Sand Filtration, Sand Filtration, Date of separation, type Grease or oil separation, type Grease trap Graval filter Grit removal I for exchange Neutralization pH correction Cotonation Reverse comosis Screen Sedimentation Sedimentation Septic tank Solvent separation Spit protection Sump Biological treatment, type Rainwater diversion or storage Other chemical treatment, type Other, type No pretreatment provided
B17.	Is additional presentment required? [] Yes [] No [] Don't know If yes, describe necessary presentment.
B18.	Is industry in compliance with City industrial pretreatment ordinance? Wes [] No [] Don't Know Sec ordinance.
B19.	Is industry in compliance with Federal Categorical standards? (Ves. [] No. [] Don't Know
820.	Are any process changes or expansions planned during the next three years? [] Yes (No )! (yes, attach a separate sheet to this form describing the nature of planned changes or expansions.
B21.	Please describe any previous spill events and remedial measures taken to prevent their reoccurrence:  Occasional spillage of materials from loading + unloading operations. Poverngland diking byle available to contain materials.  Most material, cleaned up and seaulab back to product. Any solid waste is disposed of an appropriate manner.

\*\*\* \*\*\* 114 A . \* A.

B22 Comments:	This facility	closs not prod	use Brocles wo	stewater
Etal		hargeothious		thallinto
Will			newith NPD	55 permit # 10/00:
Onle			ged to sewer to	
0			/	1/
# N				
ensure that qualif	ied personnel properly gather and	evaluate the information submitte	ed. Based on my inquiry of the pe	
•	F -	•	nation submitted is, to the best of galacies information, including the p	my knowledge and belief, true, ossibility of line and imprisonment for
browing violation	s. •			·
oglialure*	Amos	Title	Date	
	d be signed by a responsible corpo	orate officer, a general partner, or	by a duly authorized representative	:. See 40 CFR 403.12(1) for full
detaltion.	•	· · · · · · · · · · · · · · · · · · ·		



SECTION B - DETAILED WASTEWATER INFORMATION

Please describe processes to be used				 
<u> </u>				
		·		 
-				 
This facility generates or will genera	te the following types of wast	es (check all that ap	pły):	
		Average gallons	Peak gallons	
	•	per day	per day	
[ ] Domestic wastes (restrooms, en	nployee showers, etc.,			
Estimate 35 gallons per day for	each employee)	<del></del>	-	•
[ ] Cooling water, noncontact	•			
[ ] Boiler/Tower blowdown				
[ ] Cooling water, contact	-			
[ ] Process			<u> </u>	
[ ] Equipment/Facility Washdown				
[ ] Air Pollution Control Unit				
[ ] Stormwater runoff to sewer.				
[ ] Other (describe)				
[ ] Cleanup	~ .			
	Total			
Time and Duration of Discharge:	<del>-</del>			 
Cleanup Time:				
Type Amount and Rate of Pr			·	
Type Amount and Rate of Pr	roduction Process		·	
Type Amount and Rate of Pr	roduction Process		·	
Type Amount and Rate of Pr	roduction Process			
Type Amount and Rate of Programme Amount and	roduction Process		·	
Type Amount and Rate of Programme Amount and	e if not metered)  Water C	Quantities*	gal/day	
Water supplied from: (Best estimate (City, Well, etc.)  Water Source(s)  Water Acct No.	e if not metered)  Water C	Quantities*	gal/day gal/day	
Water supplied from: (Best estimate (City, Well, etc.)  Water Source(s)  Water Acct No.	e if not metered)   Water C	Quantities*  Meter	gal/day	
Water supplied from: (Best estimate (City, Well, etc.)  Water Source(s)  Water Acct No.	e if not metered)   Water C	Quantities*  Meter		
Water supplied from: (Best estimate (City, Well, etc.)  Water Source(s)  Water Acct No.	e if not metered)  O. Water C Estimated  *1 ccf = 748 gal	Quantities*  Meter	gal/day	
Type Amount and Rate of Programme Water supplied from: (Best estimate (City, Well, etc.)  Water Source(s) Water Acct No.	e if not metered)   Water C	Quantities*  Meter	gal/day	
Type Amount and Rate of Programme Water supplied from: (Best estimate (City, Well, etc.)  Water Source(s) Water Acct No	e if not metered)  O. Water C Estimated  *1 ccf = 748 gal	Quantities*  Meter  Illons	gal/day	
Water supplied from: (Best estimate (City, Well, etc.)  Water Source(s)  Water Acct No.  a. b. c.  Wastes are discharged or may be discharged	e if not metered)  O. Water Continued  *1 ccf = 748 gal  Total  Scharged to: Average gallons	Quantities*  Meter  Illons  Peak gallons	gal/day	
Water supplied from: (Best estimate (City, Well, etc.)  Water Source(s)  Water Acct No.  a. b. c.  Wastes are discharged or may be discheck all that apply)	e if not metered)  O. Water C Estimated  *1 ccf = 748 gal	Quantities*  Meter  Illons	gal/day	
Water supplied from: (Best estimate (City, Well, etc.)  Water Source(s)  Water Acct No.  a. b. c.  Wastes are discharged or may be discheck all that apply)  [ ] Sanitary sewer	e if not metered)  O. Water Control  *1 ccf = 748 gal  Total  scharged to: Average galions per day	Quantities*  Meter  Illons  Peak gallons	gal/day	
Water supplied from: (Best estimate (City, Well, etc.)  Water Source(s)  Water Acct No.  a. b. c.  Wastes are discharged or may be dis (check all that apply)  [ ] Sanitary sewer [ ] Storm sewer	e if not metered)  O. Water Control  *1 ccf = 748 gal  Total  scharged to: Average galions per day	Quantities*  Meter  Illons  Peak gallons	gal/day	
Water supplied from: (Best estimate (City, Well, etc.)  Water Source(s)  Water Acct No.  a. b. c.  Wastes are discharged or may be dis (check all that apply)  Sanitary sewer  Storm sewer  Surface water	e if not metered)  O. Water Control  *1 ccf = 748 gal  Total  scharged to: Average galions per day	Quantities*  Meter  Illons  Peak gallons	gal/day	
Water supplied from: (Best estimate (City, Well, etc.)  Water Source(s)  Water Acct No.  a. b. c.  Wastes are discharged or may be discheck all that apply)  Sanitary sewer  Storm scwer  Surface water  Groundwater (onsite disposal)	e if not metered)  O. Water Control  *1 ccf = 748 gal  Total  scharged to: Average galions per day	Quantities*  Meter  Illons  Peak gallons	gal/day	
Water supplied from: (Best estimate (City, Well, etc.)  Water Source(s)  Water Acct No.  a. b. c.  Wastes are discharged or may be discheck all that apply)  [] Sanitary sewer [] Storm scwer [] Surface water [] Groundwater (onsite disposal) [] Waste haulers	e if not metered)  O. Water Control  *1 ccf = 748 gal  Total  scharged to: Average galions per day	Quantities*  Meter  Illons  Peak gallons	gal/day	
Water supplied from: (Best estimate (City, Well, etc.)  Water Source(s)  Water Acct No.  a. b. c.  Wastes are discharged or may be discheck all that apply)  Sanitary sewer  Storm sewer  Storm sewer  Groundwater (onsite disposal)	e if not metered)  O. Water Control  *1 ccf = 748 gal  Total  scharged to: Average galions per day	Quantities*  Meter  Illons  Peak gallons	gal/day	
Water supplied from: (Best estimate (City, Well, etc.)  Water Source(s)  Water Acct No.  a. b. c.  Wastes are discharged or may be discheck all that apply)  [] Sanitary sewer [] Storm scwer [] Surface water [] Groundwater (onsite disposal) [] Waste haulers	e if not metered)  O. Water C Estimated  *1 cct = 748 gal  Total  scharged to: Average gallons per day	Quantities*  Meter  Illons  Peak gallons	gal/day	
Water supplied from: (Best estimate (City, Well, etc.)  Water Source(s)  Water Acct No.  a. b. c.  Wastes are discharged or may be discheck all that apply)  [] Sanitary sewer  [] Storm sewer  [] Surface water  [] Groundwater (onsite disposal)  [] Waste haulers	e if not metered)  O. Water Control  *1 ccf = 748 gal  Total  scharged to: Average galions per day	Quantities*  Meter  Illons  Peak gallons	gal/day	

#### · Instructions for Completing page B1

- B2. Provide the daily average and peak flows of waste generated in gallons per day for the last 12 months. The average flows can be calculated by dividing the total flows (of last 12 months) by the number of days that a discharge of water occurred (or operating day).
  - For estimating sanitary flows, use 35 gallons per each employee.

Include the day(s) of the week and duration (length of time) of discharge to the sewer system. Include day(s) of the week and approximate time for normal cleanup activities.

- B3. List the types of products, giving the common or brand name. Enter from your records the amounts produced daily for the previous calendar year and the process used.
- B4. Provide the water source(s) from which you get your water if there is more than one source, list each source. Provide the water account number. If the source is City water. To convert quantities from your water bill in CCF to gallons per day (gal/day), multiply CCF by 748.
- B5. Estimate wastewater discharge quantities.

ese wastes may best be described as:		
	Estimated gallons or pounds	
m No.	per year	
m No.		
[ ] · Acids _		
Alkalies		
[ ] Heavy metal sludges		
[ ] Inks/dyes	-	
[ ] Oil and/or grease		•
Organic compounds		
Paints		
[ ] Pesticides	<del></del>	
[ ] Plating wastes	· · · · · · · · · · · · · · · · · · ·	;
Pretreatment sludges		
Solvents/thinners	<u> </u>	•
• •	<del></del>	
[ ] Other hazardous wastes (specify)		
	•	
	**************************************	
[ ] Other wastes (specify)	,	
or the above checked wastes, does your company	practice:	
] Onsite storage		
location		
Offsite storage		
hautara		
hauler's name		
hauler's name address		
hauler's name address hauler's DEQ permit #	——————————————————————————————————————	
hauler's name address hauler's DEQ permit # phone number		
hauler's name address hauler's DEQ permit # phone number } Onsite disposal		
hauler's name address hauler's DEQ permit # phone number  Onsite disposal Offsite disposal		
hauler's name address hauler's DEQ permit # phone number  Onsite disposal Offsite disposal hauler's name		
address hauler's DEQ permit # phone number  Onsite disposal Offsite disposal hauler's name address		
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hauler's name address hauler's DEQ permit # phone number  Onsite disposal  Offsite disposal hauler's name address hauler's DEQ permit # phone number		

#### Instructions for Completing page B2

- B6. Answer yes or no.
- B7. If the answer to B6 is yes, describe the types of wastes.
- B8. If the answer to B6 is no, describe your storage and disposal practices for these wastes. An onsite disposal system could be a septic system, lagoon, holding ponds (evaporative-type).
  - A batch discharge is one which results from the draining of storage tanks or process tanks; intermittent boiler blowdown, etc.

PDX702.015.51

		Discha	rged to	Spill Po	tential	
Generic Type	Amount Per Year	Storm	Sanitary	Storm	Sanitary	Chemical Constituents or Brand Name
nple: Degreaser	3 gallons			_x_		Trichloroethylene
(REDSOTE	sec t	Le AT	rachco	1 fine	MARS	hal's convey for 1993
COA. I TAR P. FR. (Ugoid)						
to (id)						
Relief						
			<del></del> ·			
				<del></del>		
		<u> </u>				
······································	•					The second secon
+						
Have you listed with the Fire Bu	ireau the ons					quids or solids, hazardous chemicals, or radioactive mat
Have you listed with the Fire Bu   X  Yes     No  If yes, list materials, if any, and t	ireau the ons					quids or solids, hazardous chemicals, or radioactive mat quantities are being stored (use extra sheets if needed o
Have you listed with the Fire Bu [X] Yes [ ] No  If yes, list materials, if any, and to copy of Fire Bureau list).  S-Scientific/C-Common	their scientifi	ic or com	mon and t	wand name	s and what	quantities are being stored (use extra sheets if needed o
Have you listed with the Fire Bu   X  Yes     No  If yes, list materials, if any, and to copy of Fire Bureau list).    S-Scientific/C-Common     See He     b.	their scientifi	ic or com	mon and t	wand name	s and what	quantities are being stored (use extra sheets if needed o
[N] Yes [] No  If yes, list materials, if any, and to copy of Fire Bureau list).  S-Scientific/C-Common	their scientifi	ic or com	mon and t	wand name	s and what	quantities are being stored (use extra sheets if needed o
Have you listed with the Fire Bu    Yes   No    No    Yes   No    No    No    No    No    No    No    Sec   No    No    No    Sec   No    No	their scientifi	Fine	Brand I	Name	evev for	quantities are being stored (use extra sheets if needed o
Have you listed with the Fire Bu [N] Yes [] No  If yes, list materials, if any, and to copy of Fire Bureau list).  S-Scientific/C-Common  a. See Hec. b. c. d.	their scientifi	Fine	Brand I	Name	evev for	Quantities are being stored (use extra sheets if needed o
Have you listed with the Fire Bu    Yes   No    No   Yes   No   No   No   No   No   No   No   No	their scientification of their scientification	No M	Brand I  MAYES  Don't kn	Name  Name	evev fo	Quantities are being stored (use extra sheets if needed o

## Instructions for Completing page B3

- B9. List all chemicals regularly used in your facility. Indicate where they may most likely enter into the City's sewer system or storm system or both.
- B10. Indicate if the Fire Bureau has been notified of your onsite storage practices.
- B11. Answer yes or no. If yes, attach plans.
- B12. Indicate the characteristics of the wastewater. Priority pollutants are listed in Attachment A. If your facility's discharge may include any priority pollutants. Attachment A must be completed.
- B13. If any laboratory analyses have been performed on wastewater discharged from your facility, a copy of the results must be attached.

B14. If your facility uses processes in any of the industrial categories or business activities listed below and any of these processes generate or cogenerate wastewater or waste sludge, place a check beside the category or business activity (check all that apply).

a. Industrial Categories EPA . Category Code Category 467 [ ] Aluminum forming 461 [ ] Battery manufacturing 434 [ ] Coal mining 465 [ ] Coil coating 468 [ ] Copper forming 469 [ ] Electric & electronic components 413 [ ] Electroplating (If checked, please complete Attachment B) 415 [ ] Inorganic chemicals 420 [ ] Iron & steel 425 [ ] Leather tanning & finishing 433 [ ] Metal Finishing (If checked, please complete Attachment B) 464 [ ] Metal molding & casting (Foundries). 471 [ ] Nonferrous metals forming . . 421 [ ] Nonferrous metals manufacturing 414 & 416 [ ] Organic chemicals, plastics, & synthetic fibers 455 [ ] Pesticides 419 [ ] Petroleum refining 439 [ ] **Pharmaceuticals** 463 [ ] Plastics processing 466 [ ] Porcelain enamel 430 & 431 [ ] Pulp, paper, and fiberboard 428 [ Rubber 423 [ ] Steam electric 410 [ ] Textile mills Timber products (wood preserving) b. Other Business Activity Adhesives Analytical laboratories Auto laundries Beverage bottler Can making 405 [ ] Dairy products Dry Cleaners Explosives manufacturing Food/edible products processor Gas stations 454 [ ] Gum & wood chemicals Health services 460 Hospital Laundries Machine shops Mechanical products 440 [ ] Ore mining 446 & 447 Paint & ink 459 Photographic supplies Printing & publishing Radiator Shops Slaughter/meat packing/rendering 417 [ ] Soaps & detergents Used oil reclaimers Waste recycler Other

### Instructions for Completing page B4

B14. A facility who checks off activities listed under A are covered by the Environmental Protection Agency's (EPA) categorical pretreatment standards and the City's local pretreatment standards. These facilities are termed "categorical users." Businesses that check-off activities listed under B are termed "noncategorical users" and are covered by the City's local pretreatment standards. If you have any questions regarding how to categorize your busin activity, contact the City for technical guidance.

PDX702.015.51

•	a. Location and size of all service outlets, process drains, floor drains b. Existing sampling manholes or locations where samples may be collected c. Current or planned flow metering equipment d. Current or planned automatic sampling equipment e. Location of pretreatment processes, treated flows, and untreated flows f. Location and name of pertinent streets g. Flow schematic to indicate process and process discharge in gpd h. Chemical storage location i. Storm drain location, if known	7
B16.	Pretreatment devices or processes used for treating wastewater or sludge (check as many as appropriate).	
	Air Botation   Carton filtration   Chorifuge   Chemical precipitation   Chlorination   Chlorination   Cyclone   Evaporation   Filtration   Filtration, Multi-media   Filtration, Multi-media   Filtration, Sand   Filtration, Sand   Fow equalization   Fow equalization   Grease or oil separation, type   Grease trap   Grinding filter   Grit removal   Ion exchange   Neutralization, pH correction   Ozonation   Reverse osmosis   Screen   Sedimentation   Septic tank   Solvent separation   Spill protection   Sump   Biological treatment, type   Rainwater diversion or storage   Rainwater diversion or storage   Other chemical treatment, type   Other physical treatment   Other physical treatment   Other physical treatment   Other physical treatment   Other physi	
B17.	Is additional pretreatment required? [] Yes [] No [] Don't know If yes, describe necessary pretreatment.	
B18.	Is industry in compliance with City industrial pretreatment ordinance? [] Yes [] No [] Don't Know  See ordinance.	
B19	Is industry in compliance with Federal Categorical standards? [] Yes [] No [] Don't Know	
B20	Are any process changes or expansions planned during the next three years? [] Yes [] No If yes, attach a separate sheet to this form describing the nature of planned changes or expansions.	
B21	Please describe any previous spill events and remedial measures taken to prevent their reoccurrence:	

B15. Attach a simple schematic drawing(s) of your facility, indicating: (Drawings should be 11 x 17, or smaller)

## Instructions for Completing page B5

B15. Attach a simple schematic drawing(s). Approved building plans may be substituted.

Example:

B5

322. Comments:					
		( Opy			
		· ····································			
	——————————————————————————————————————				
			•		
••					
ensure that qualified po system, or those person accurate, and complete	ersonnel property ga- ns directly responsibl	iment and all attachments were prepared u ther and evaluate the information submitte le for gathering the information, the information are significant penalties for submitting	<ul> <li>d. Based on my inquiry of the parties as the based of the ba</li></ul>	person or persons w of my knowledge and	no manage the
knowing violations.					

#### Instructions for Completing page B6

#### B22. Place comments here.

Certification requirements are contained in 40 CFR 403.12(1). This form must be signed by a responsible corporate officer, a general partner, or d, authorized representative.

Return the completed form to:

Industrial Waste Division City of Portland Bureau of Environmental Services 1120 S.W. Fifth Avenue Portland, Oregon 97204-1972

Complete Attachments A and B as required.

# Attachment A PRIORITY POLLUTANT INFORMATION

Please indicate by placing an "X" in the appropriate space by each listed chemical whether it is Suspected to be Absent, Known to be Absent, Suspected to be Present, or Known to be Present in your manufacturing or service activity or generated as a byproduct. Some compounds are known by other names. Please refer to the Priority Pollutant Synonym Listing for those compounds which have an asterisk (\*).

Item No.	CASRN	Chemical Compound	Suspected Absent	Known Absent	Suspected Present	Known Present
1	7664417	ammonia				
	1332214	asbestos (fibrous)		·		
3	57125	cyanide (total)				
4	7440360	antimony (total)		•	•	•
5	7440382	· arsenic (total)	•			
6	7440417	beryllium (total)			•	•
7	7440439	cadmium (total)				•
8	7440473	chromium (total)				
9	7440508	copper (total)				
10	7439921	lead (total)				
11	7439976	mercury (total)				
12	7440020	nickel (total)				
13	7782492	selenium (total)				
14	7440224	silver (total)				
15	7440280	thallium (total)				
16	7440666	zinc (total)				
: 17	83329	acenaphthene				
18	208968	acenaphthylene		,		
19	107028	acrolein				
20	107131	acrylonitrile				
21	309002	aldrin				
22	120127	anthracene				
23	71432	benzene				
24	92875	benzidine				
25	56553	benzo(a)anthracene*				
26	50328	benzo(a)pyrene*	-			
27	205992	benzo(b)fluoranthene				
28	191242	benzo(g,h,i)perylene*				
29	<del></del>	benzo(k)fluoranthene*				
	319846	a-BHC(alpha)				
	319857	b-BHC(beta)				
32	<del></del>	d-BHC(delta)				
33		g-BHC*(gamma)				
34		bis(2-chloroethyl)ether*				
35	<del></del>	bis(2-chloroethoxy)methane*				
36		bis(2-chloroisopropyl)ether*				1
37		bis(chloromethyl)ether*				
	1242001	1 ois(cinoromethyt)ether	<u> </u>	1	<u> </u>	

## Attachment A (Continued)

Item No.	CASRN	Chemical Compound	Suspected Absent	Known Absent	Suspected Present	Known Present
38	117817	bis(2-ethylhexyl)phthalate*	<del></del>			
39	75274	bromodichloromethane*				
40	75252	bromoform*				
41	74839	bromomethane*				
42	101553	4-bromophenylphenyl ether				
43	85687	butylbenzyl phthalate				
44	56235	carbon tetrachloride*				
. 45	57749	chlordane				
46		4-chloro-3-methylphenol*			·	
47	108907	chlorobenzene	• •			
48	75003	chloroethane* .				
49	110758	2-chloroethylvinyl ether			·	
50	67663	chloroform*				
51	74813	chloromethane*				
52	91.587	2-chloronaphthalene			·	
53	95578	2-chlorophenol*				
54	7005723	4-chlorophenylphenyl ether				
55	218019	chrysene*				
56	72548	4,4'-DDD'				
57	72559	4,4"-DDE*				
58	50293	4,4'-DDT*				
59	53703	dibenzo(a,h)anthracene*				
60	124481	dibromochloromethane*				
61	95501	1.2-dichlorobenzene*				
62	541731	1.3-dichlorobenzene*				
63	106467	1.4-dichlorobenzene*				
64	91941	3.3-dichlorobenzidine				
65	75718	dichlorodifluoromethane*				
66	75343	1.1-dichloroethane*				
67	107062	1,2-dichloroethane*				
68	75354	1,1-dichloroethene*			-	
69	111444	trans-1,2-dichloroethene*				
70	120832	2,4-dichlorophenol				
71	78875	1,2-dichloropropane*				
72	542756	(cis & trans)1,3-dichloropropene*				
73	60571	dieldrin				
	84662	diethyl phthalate*				
75		2.4-dimethylphenol*				
	131113	dimethyl phthalate				
77		di-n-butyl phthalate	1			1
78		di-n-octyl phthalate*			<del>                                     </del>	
	<del>-                                    </del>	1 - 11-20-171 Patribiate	1.		<u> </u>	

Form 4-2 8/90

#### Attachment A (Continued)

ltem No.	CASRN	Chemical Compound	Suspected Absent	Known Absent	Suspected Present	Known Present
79		1.6-dinitro-2-methylphenol*				
	51285	2,4-dinitrophenol	·			
81	121142	2.4-dinitrotoluene				
82	606202	2,6-dinitrotoluene			1,5	
83	122667	1.2-dipheitylhydrazine*			-	
84	959988	endosulían I*	•			
85	33213659	endosulfan II*			•	
86	1031078	endosolfan sulfate		: :		•
87	72208	endrin				•
88	7421934	endrin aldehyde		•	•	·
89	100414	ethylbenzene				·
90	206440	Nuoranthene		•		•
91	86737	fluorene*				
92	76448	heptachlor				
93	1024573	heptachlor epoxide				
94	118741	hexachiorobenzene*				
95	87683	hexachlorobutadiene				<del></del>
96	77474	hexachlorocyclopentadiene*				
97	67721	hexachloroethane*				
98	193395					
99	78591	indeno (1,2,3-cd)pyrene*				<u> </u>
.——		isophorone*				<u> </u>
100	74873	methylene chloride*				
101	91203	naphthalene 				
102	98953	nitrobenzene	<del></del>			
103	88755	2-nitrophenol*	· · · · · · · · · · · · · · · · · · ·			
104	100027	4-nitrophenol*				
105	62759	n-nitrosodimethylamine*	<u> </u>			<del></del>
106		n-nitrosodipropylamine*				-
107	86306	n-nitrosodiphenylamine*				
	12674112	PCB-1016*				
109	11104282	PCB-1221*				
110	11141165	PCB-1232*				
111	53469219	PCB-1242*				
112	12672296	PCB-1248*				
113	11097691	PCB-1254*				
114	11096825	PCB-1260*				
115	87865	pentachlorophenol	:	·		
116	85018	phenanthrene				
117	1	phenol				
118	129000	pyrene				
	1746016	2.3.7.8-tetrachlorodibenzo-p-dioxin*	:			
	<u> </u>	L	<del></del>	- <b>L</b>	<del></del>	

## Attachment A (Continued)

No.	CASRN	Chemical Compound	Suspected Absent	Known Absent	Suspected Present	Known Present
120	630206	1.1.2.2-tetrachloroethane*	•			
121	127184	tetrachloroethene*				
122	108883	toluene*				
123	8001352	toxaphene				
124	120821	1.2.4-trichlorobenzene				
125	71556	1.1.1-trichloroethane*				
126	79005	1.1.2-trichloroethane*				
127	79016 .	trichloroethene*				
128	75694	trichlorofluoromethane*			•	
129	88062	2.4.6-trichlorophenol				
130	75014	vinyl chloride*				

2. For chemical compounds listed above that are indicated to be "Known Present," please list and provide the following data for each: (attach addition sheets if needed)						
Item No.	Chemical Compound	Estimated Annual Usage (lb)	Loss or discharge to Sewers (lb/yr) Sanitary Storm			

# **CBIS Water/Sewer Report**

Account:

4640172034

Type of Service:

Company:

**KOPPERS COMPANY INC.** 

Other

7540 NW ST HELENS R

		Meter Type:	065	065	065	066	000	000	
	s	anitary Factor:	0	0	0	100	0	0	
		ESSC Factor:	0	0	0	. 0	0	0	
<u>Month</u>	<u>Water</u>	Sewer	Meter 1	Meter 2	Meter 3	Meter 4	Meter 5	Meter 6	
9703	128	0	0	117	0	11	0	0	
9704	138	0	0	127	0	11	0	0	
9705	159	0	0	145	0	14	0	0	
9706	107	0	0	97	<i>∖</i> \ 0	10	0	0	
9707	130	0	0	116/12	exact o	14	0	0	
9708	157	0	0	143 La	vg / o	14	0	0	
9709	144	0	1	130	or o	13	0	0	
9710	138	. 0	0	116 (95)	02.6	22	0	0	
9711	161	0	0	133	nonthly o	28	0	0	
9712	169	0	0	146	airy o	23	0	0	
9801	167	0	0	143	0 .	24	0	0	
9802	190	0	0	164	0	26	0	0	
9803	160	0	0	135	0	25	0	0	
9804	205	0	0	177 00	g.cf o	28	0	0	
9805	206	0	0	164 18	5°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°	42	0	0	
9806	143	0	0	118	0	25	0	0	
9807	257	0	0	210 38	381.60	47	0	0	
9808	256	0	2	217	ol with o	37	0	0	
9809	208	0	0	173	0	35	0	0	
9810	278	0	0	240	0	38	0	0	
9811	284	0	1	242	0	41	0	0	
9812	280	0	0	238	0	42	o	0	
9901	290	0	0	253	0	37	0	0	
9902	375	0	. 0	334	0	41	0	0	
					_ /	<i>~</i> 1			

Volumes in ccf

65 = Water meter only

66 ≈ Sewer meter only

67 = Water/Sewer meter

09-March-1999



# — CITY OF PORTLAND ENVIRONMENTAL SERVICES



FOR OFFICE USE ONLY

1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972 (503) 823-7740, FAX (503) 823-6995

		(505) 025 77 10	, 110 (000	77 020 0770		
Date of Violation:	0/00/00		1.		Permit No.:	000-0 <b>66</b> , P-1
Nature of Violation:	None			,	Collected by:	City
Response Date:	August 1, 1994				Sample Type:	N/A
Response Number:	CTM-1994-165		*.		Sample Location:	N/A

COMPLIANCE TELEPHONE MEMORANDUM

Certified Receipt No. P 369 201 639

To:

Mr. Amos Kamerer

KOPPERS

7540 NW St. Helens Rd. Portland, OR 97210

RE:

Wastewater Discharge Permit Application Due Date Extension

#### Requirement:

Submit the completed Permit Application to the City as soon as possible, and no later than August 8, 1994. Send all information to my attention to assure accurate tracking of dated material.

#### **Summary:**

I spoke with Amos Kamerer today regarding extending the due date for permit application submittal to the City of Portland from KOPPERS. The original due date was July 8, 1994. The due date was extended once (prior to today's request) on request from KOPPERS, to July 31, 1994. Regarding a further extension, Mr. Kamerer had spoken with Industrial Source Control's Duty Officer on Friday, July 29th about the matter and came away with the impression that KOPPERS should turn in the paperwork as soon as they could, but no specific due date was mentioned. The duty officer was unaware of the original due date and unaware that one extension had already been granted.

I informed Mr. Kamerer that the application forms must be submitted to the City within 30 days of the original due date. If not, then KOPPERS would be identified as being in Significant Non-Compliance of environmental rules and regulations, and would be published in the newspaper with other companies in violation. I urged Mr. Kamerer to submit the completed Permit Application as soon as possible and no later than August 8, 1994.

If the August 8th due date is not met, KOPPERS will be issued and enforcement action beyond this CTM and assessed a civil penalty.

Signature

Christina K. Anderson, Permit Manager Industrial Source Control Management

cc:

M. Santana, City

August 1, 1994

Date

CANOTINE

# RECEIVED

AUG 3 1994 KOPPERS INDS., INC. PORTLAND, OR

file.	
Cuty of Pontland   INDUSTRIAL WASTEWATER INSPECTION SUMMARY CC; B. Sweakingen	23 244 + 4m
F.Y.I	
Company: Koppers	12/20
The City of Portland Industrial Waste Management Section has completed an inspection of your facility on [12/20/93]. After review of your completed forms and site inspection report, your status is as follows:	r
USER TYPE:	
[X] Categorical Industrial User (CIU) Non-discharger [] Significant Industrial User (SIU) [] Nonsignificant Industrial User (NIU) [] Nonapplicable Industrial User (NAU)	
INSPECTION RESULT:	
No follow-up activities required at this time [_] Follow-up activities are required to satisfy the pretreatment standards [_] Description of deficiencies include, but are not limited to	
List of Deficiencies	
	_
	_
	_
	_
<pre>[_] Respond within 10 days of this inspection [_] A letter of violation (LOV) to follow from the City [_] Instructions</pre>	_
	=
	<del>-</del> -
Jim McCadden	
Print Name of Permit Manager/Inspector	
Signature (Permit Manager) 12/20/93 Date	-
J T T 22.20	
Print Name of Industry Contact — CITY OF PORTLAND — FINVIRON MENTAL SERVI	CES
LINY HIND NIVILLA VI THE CONTROL OF	97204-1977

White - City
Yellow Industry
Pink - File
Filed under City of Portlen

Signature (Industry Contact)



1120 S.W. 5th Ave., Room 400, Portland, OR 97204-

Jim McCadden Permit Manager Phone: (503) 823-7126 Fax: (503) 823-5228

Printed on Recycled Paper



Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

### NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards, 40 CFR 414 that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules.

Facility Name: Koppers Industries

Address: 7540 NW St Helens Rd.

Portland, OR 97210

**Reporting Period**: From July 1, 1998 To December 31, 1998

THIS REPORT DUE TO THE CITY BY: January 15, 1999

# CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTWATER HAVE OCCURRED

Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature:

Title:

Plant Managen

Date:

1/4/99

(c: T. Self, KII

Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

#### NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards, 40 CFR 414 that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules.

Facility Name:	Koppers Industries
1 CICIIIU, I TRIMICO	reppers maasines

Address: 7540 NW St Helens Rd.

Portland, OR 97210

**Reporting Period**: From January 1, 1998 To June 30, 1998

THIS REPORT DUE TO THE CITY BY: July 15, 1998

# CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTWATER HAVE OCCURRED

#

Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature:

Title:

Plant Manager

Date:

7/1/98

CC: Traci Seif, EIP

1211 S.W. 5th Ave., Suite 800, Portland, Oregon 97204-3713 (503) 823-5320, FAX (503) 823-5559

#### NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards, 40 CFR 464.20 that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due <u>January 15, 1998</u> to: Industrial Source Control Division

Bureau of Environmental Services.

6543 N. Burlington Ave. Portland, OR 97203

Facility Name:

Koppers Industries

Address: 7540 NW St. Helens Rd

Portland, OR 97210

Reporting Period (From) July 1, 1997

(To) December 31, 1997

(CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURED.)

X

Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature

Date: 1/6/98

Title

PLANT MANAgen

CC, W.E. SWEARINGEN

1-1

1211 S.W. 5th Ave., Suite 800, Portland, Oregon 97204-3713 (503) 823-5320, FAX (503) 823-5559

#### NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards, 40 CFR 464.20 that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due July 15, 1997 to:

Industrial Source Control Division

Bureau of Environmental Services.

6543 N. Burlington Ave. Portland, OR 97203

Facility Name:

Koppers Industries

Address: 7540 NW St. Helens Rd

Portland, OR 97210

Reporting Period (From) January 1, 1997

(To) June 30, 1997

(CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURED.)

M Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature

Da

Title

Date: 7/1/9

1-1

CC: W.E. Swere: Ngen, KII

1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972 37/3 (503) 823-7740, FAX (503) 823-6995

#### NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards (40 CFR 433) that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due January 15, 1997 to:

Source Control
Bureau of Environmental Svc.
1120 S.W. 5th, Room 400
Portland, OR 97204-1972

Facility Name: Koppers Industries, Inc.

Address: 7540 NW

7540 NW St. Helens Rd. Portland, OR 97210

Reporting Period: July 1, 1996 to December 31, 1996

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:

[X] Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature:	Thu		Date:	1/3/97	
Title:		Plant	MANAG	el	

CC; ME Sucaringen

S:\IU-K\KOPPERS\PERMIT\94PERMIT.DFT

30

1211 Suite 800 1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972 (503) 823-7740, FAX (503) 823-6995

#### NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards (40 CFR 433) that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due July 15, 1996 to:

Source Control

Bureau of Environmental

(21) 350 S.W. 5th, Room 450 800

Portland, OR 97204-337/3

Facility Name:

Koppers Industries, Inc.

Address:

7540 NW St. Helens Rd. Portland, OR 97210

Reporting Period: January 1, 1996 to June 30, 1996

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:

[X]Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Date: 7/18/96 S. KAMEREK, Plant MANAgen Signature: Title:

(C' H.E. SWEARINGEN

S:\IU-K\KOPPERS\PERMIT\94PERMIT.DFT

29

1721 S.W. Fifth Ave., R<del>oom 400,</del> Portland, Oregon 97204-1972 (503) 823-7740, FAX (503) 823-6995

#### NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards (40 CFR 433) that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due January 15, 1996 to:

Source Control

Bureau of Environmental Svc.

1120 S.W. 5th, Room 400 Portland, OR 97204-1972

Facility Name: Koppers Industries, Inc.

Address:

7540 NW St. Helens Rd. Portland, OR 97210

Reporting Period: July 1, 1995 to December 31, 1995

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:

Based on my inquiry of the person or persons directly responsible  $\infty$ for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature:

S:\IU-K\KOPPERS\PERMIT\94PERMIT.DFT

CC. W.E. SWEARINGEN

TDD 823-3520

28

1211 S.W. 5th Ave., Suite 800, Portland, Oregon 97204-3713 (503) 823-5320, FAX (503) 823-5559

#### FOR OFFICE USE ONLY

Date of Violation:	July 16 1996	Permit No.:	314.001 P-4
Nature of Violation:	Late Report - Non-Discharge Certification	Collected by:	N/A
Response Date:	July 29, 1996	Sample Type:	N/A
Response Number:	CTM-1996-124	Sample Location:	N/A

#### COMPLIANCE TELEPHONE MEMORANDUM

Certified Receipt No. Z 109 692 689

To: Amos Kamerer

Koppers Industries, Inc. 7540 NW St Helens Rd. Portland, OR 97210

RE: Late Report

Level: Minor

Proposed Penalty: None

Requirement: None - Report Submitted

### **Summary:**

Mr. Kamerer was contacted regarding Koppers' late report (Non-Discharge Cerification). He was informed that the City had received the documentation. However, the material was postmarked after the due date. He acknowledged this point. The concept of a CTM and escalating enforcement was explained to Mr. Kamerer. He was informed that if there is another late report from Koppers this year (1996), the enforcement will escalate to a Letter of Violation (LOV) with a \$100 fine.

Stephen Rosenberger

Permit Manager, Industrial Source Control

cc:

MAS

Koppers IU File

P. 1-3-96 acp

RECEIVED

7/29/96

JUL 3 1 1996

KOPPERSINDS,INC. PORTLAND.OR







Amos Kamerer Koppers Industries, Inc. 7540 N.W. St. Helens Rd. Portland OR, 97210

# INDUSTRIAL WASTEWATER INSPECTION SUMMARY

Company: koppers.
The City of Portland Industrial Waste Management Section has completed an inspection of your facility on $[5/3/9]$ . After review of your completed forms and site inspection report, your status is as follows:
USER TYPE:
<pre>[V] Categorical Industrial User (CIU) [_] Significant Industrial User (SIU) [_] Nonsignificant Industrial User (NIU) [_] Nonapplicable Industrial User (NAU)</pre>
INSPECTION RESULT:
No follow-up activities required at this time [_] Follow-up activities are required to satisfy the pretreatment standards [_] Description of deficiencies include, but are not limited to:
List of Deficiencies None
No Dixtrace of Process Waste Water
[_] Respond within 10 days of this inspection [_] A letter of violation (LOV) to follow from the City [X] Instructions  1) Add Duty files Phase # to Spell Regove Plan 823-7/80  2) Add General to ASPD reflection Notification of City  if Spell Motheral will reach city Storm/Scintlany Second
Stephen Rosenberger
Print Name of Permit Manager/Inspector
Signature (Permit Manager)  S-21-96  Date
Signature (Permit Manager) Date
Print Name of Industry Contact
The same of modern concact 5/21/96
Signature (Industry Contact)  Date
Do IN 30 DAYS
white - City
Yellow - Industry Form 14-23 Pink - File Rev 8/90

# **KOPPERS**

7540 N.W. St. Helens Rd. Portland, Oregon 97210 (503) 286-3681

6/6/96

Bill Swenningen

Agrec's width me, containment is Not required,

If it comes up again, say some thing to the

effect that we feel secure with the

knowledge that even if we had a spill, that

knowledge that with it before it rould even

are invold deal with it before it rould even

get to the city sewer system and that

what even pesitive material that could

develope would go into the town faxon

And through our NPDES syestem.

AMOS S. KAMERER



## FAX TRANSMITTAL

Koppers Industries, Inc. 7540 N.W. St. Helens Road Portland, OR 97210-3663

TO: Bill Sweakingen DATE: 6/4/96

Fax: 503-285-2831

FROM: Ames TOTAL # OF PAGES: 3

The city steam water people came in an 5/21/96 for their

Annual visit, a copy of the summary report is attached for

your files. A question came up about the lack of containment

Around the 3-55 gat downs of diesel and 1-55 gat down of

Recycled oil in our covered outside storage shed. P

explained that the quantities involved didn't require

containment. He said that that maybe cornect and

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831

# **KOPPERS**

7540 N.W. St. Helens Rd. Portland, Oregon 97210 (503) 286-3681 6/4/96

Re! Stoum maten people

PASE HZ

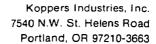
that he would pensue what was correct, but that they had the feeling that with such matters that "it was betten to be safe, than sorry".

Should I do Nothing til Phear from him or should I be safe?

I'm out 6/5 -in 6/6 + 6/7,

Anos

AMOS S. KAMERER





Amos S. Kamerer
Plant Manager

Telephone: 503-286-3681 Fax: 503-285-2831

June 12, 1996

Mr. Stephen Rosenberger City of Portland Environmental Services 1211 SW Fifth Ave. Suite 800 Portland, OR 97204-3713

Reference: Permit #314-001

Dear Mr. Rosenberger,

As per your request during your annual inspection on May 21, enclosed please find revised pages 14, 15 and 17 to our Spill Prevention, Control and Countermeasures Plan, adding the requirement to notify the cities Duty Officer, in the event a spill would reach the cities storm or sanitary sewer drains. No other changes were made to the original SPCC Plan.

By copies to the parties listed below, enclosed please find copies of these same pages for you to replace in your copy of our plan.

If any one has any questions in this regard, please feel free to contact me at any time.

AH)

Sincerely

amos S. Kamerer Plant Manager

cc: EPA, Region X
DEQ, Mr. Elliot Zais
Portland Fire Bureau, Mr. Mike Franzen
KII, W.E. Swearingen
KII, J. S. Marcinowski

1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972 (503) 823-7740, FAX (503) 823-6995

#### NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards (40 CFR 433) that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due July 15, 1995 to:

Source Control

Bureau of Environmental

Svc.

1120 S.W. 5th, Room 400 Portland, OR 97204-1972

Facility Name: Koppers Industries, Inc.

Address:

7540 NW St. Helens Rd. Portland, OR 97210

Reporting Period: January 1, 1995 to June

. S KAMERON

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:

Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

\_ I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the ssibility of fines and imprisonment.

Signature:

S:\IU-K\KOPPERS\PERMIT\94PERMIT.DFT

27

CC: W.E. Swenigin

1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972 (503) 823-7740, FAX (503) 823-6995

#### NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards (40 CFR 433) that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due January 15, 1995 to:

Source Control

Bureau of Environmental Svc.

1120 S.W. 5th, Room 400 Portland, OR 97204-1972

Facility Name: Koppers Industries, Inc.

Address:

7540 NW St. Helens Rd. Portland, OR 97210

Reporting Period: October 1, 1994 to December 31, 1994

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:

Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the passibility of fines and imprisonment.

Signature:

Title:

Date:

1/3

S:\IU-K\KOPPERS\PERMIT\94PERMIT.DFT

26

CC. W. E. SWEARINGEN, KII

1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972 (503) 823-7740, FAX (503) 823-6995

#### NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards (40 CFR 433) that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due January 15, 1995 to:

Source Control

Bureau of Environmental

Svc.

1120 S.W. 5th, Room 400 Portland, OR 97204-1972

Facility Name: Koppers Industries, Inc.

Address:

7540 NW St. Helens Rd. Portland, OR 97210

Reporting Period: October 1, 1994 to December 31, 1994

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:

 $[\times]$  Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

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Signature:

Title:

S:\IU-K\KOPPERS\PERMIT\94PERMIT.DFT

26

CC. W. E. Sweakingen, KII

company: Koppers, Inc
The City of Portland Industrial Waste Management Section has completed an inspection of your facility on $[10/3/9]$ . After review of your completed forms and site inspection report, your status is as follows:
USER TYPE:
Categorical Industrial User (CIU) 3/4  [_] Significant Industrial User (SIU)  [_] Nonsignificant Industrial User (NIU)  [_] Nonapplicable Industrial User (NAU)
INSPECTION RESULT:
No follow-up activities required at this time [_] Follow-up activities are required to satisfy the pretreatment standards [_] Description of deficiencies include, but are not limited to:
List of Deficiencies NDN-R
[_] Respond within 10 days of this inspection [_] A letter of violation (LOV) to follow from the City Instructions Complete Spill plan 64123194
O.K. Anderson A.F. O'Roke Print Name of Permit Manager/Inspector
Christina Anderson Valua 18/3/94 Signature (Permit Manager)  Date
Print Name of Industry Contact
signature (Industry Contact)  Date
White - City Yellow - Industry Pink - File Form 14-23 Rev 8/90

Koppers012811

## INDUSTRIAL WASTEWATER INSPECTION SUMMARY

	FAX: B. SWEAR INGEN
company: Koppers Endustries	FAX; B. SWEARINGEN F. Y. I. Amos
The City of Portland Industrial Waste completed an inspection of your facility review of your completed forms and site status is as follows:	Management Section has on [ <u>5/5/9t</u> ]. After inspection report, your
USER TYPE:	·
[X] Categorical Industrial User (CIU) [_] Significant Industrial User (SIU) [_] Nonsignificant Industrial User (NIU) [_] Nonapplicable Industrial User (NAU)	· )
INSPECTION RESULT:	
<pre>[_] No follow-up activities required at [_] Follow-up activities are required to     standards</pre>	satisfy the pretreatment
[_] Description of deficiencies include	, but are not limited to:
List of Deficiencies None	
[_] Respond within 10 days of this ins [_] A letter of violation (LOV) to fol [_] Instructions  No instructions - Wasteuttin is	low from the City
Suphon Roserta on helt of Print Name of Permit Manager/Inspector  Signature (Permit Manager)	5/15/27
A - 1	Date
Print Name of Industry Contact	
A Name -	5/15/97
Signature (Industry Contact)	
	Date
White - City Yellow - Industry	Date Form 14-23

Koppers012812

1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972 (503) 823-7740, FAX (503) 823-6995

### NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards (40 CFR 433) that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due July 15, 1998 to:

Source Control
Bureau of Environmental Svc.
1120 S.W. 5th, Room 400
Portland, OR 97204-1972

Facility Name: Koppers Industries, Inc.

Address: 7540 NW St. Helens Rd.

Portland, OR 97210

Reporting Period: January 1, 1998 to June 30, 1998

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:

Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature:	Date:	
Title:		

 $S: \verb|\IU-K\KOPPERS\PERMIT\94PERMIT.DFT|$ 

1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972 (503) 823-7740, FAX (503) 823-6995

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Report due January 15, 1999 to:

Source Control

Bureau of Environmental Svc.

1120 S.W. 5th, Room 400 Portland, OR 97204-1972

Facility Name: Koppers Industries, Inc.

Address: 7540 NW St. Helens Rd.

Portland, OR 97210

Reporting Period: July 1, 1998 to December 31, 1998

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:

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Signature:	Date:
Title:	

S:\IU-K\KOPPERS\PERMIT\94PERMIT.DFT

1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972 (503) 823-7740, FAX (503) 823-6995

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Report due July 15, 1999 to:

Source Control

Bureau of Environmental Svc.

1120 S.W. 5th, Room 400 Portland, OR 97204-1972

Facility Name: Koppers Industries, Inc.

Address:

7540 NW St. Helens Rd. Portland, OR 97210

Reporting Period: January 1, 1999 to June 30, 1999

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:

[ ] Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

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Signature:	Date:	
Title:		
iicie:		

S:\IU-K\KOPPERS\PERMIT\94PERMIT.DFT

1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972 (503) 823-7740, FAX (503) 823-6995

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Industrial Users subject to limits for processes regulated under categorical pretreatment standards (40 CFR 433) that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due January 15, 2000 to:

Source Control Bureau of Environmental 1120 S.W. 5th, Room 400 Portland, OR 97204-1972

Facility Name: Koppers Industries, Inc.

Address: 7540 NW St. Helens Rd.

Portland, OR 97210

Reporting Period: <u>July 1, 1999</u> to <u>December 31, 1999</u>

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:

[ ] Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

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Signature:	Date:	Date:		
Title:				

S:\IU-K\KOPPERS\PERMIT\94PERMIT.DFT

### INDUSTRIAL WASTEWATER INSPECTION SUMMARY

company: Koppers
The City of Portland Industrial Waste Management Section has completed an inspection of your facility on []. After review of your completed forms and site inspection report, your status is as follows:
USER TYPE:
Categorical Industrial User (CIU) 4/14  [_] Significant Industrial User (SIU)  [_] Nonsignificant Industrial User (NIU)  [_] Nonapplicable Industrial User (NAU)
INSPECTION RESULT:
<pre>[_] No follow-up activities required at this time [_] Follow-up activities are required to satisfy the pretreatment standards [_] Description of deficiencies include, but are not limited to:</pre>
List of Deficiencies  NONE
[_] Respond within 10 days of this inspection [_] A letter of violation (LOV) to follow from the City [_] Instructions
Print Name of Permit Manager/Inspector
All in the second
Signature (Permit Manager) Date
A.S. KAMERER
Print Name of Industry Contact
8/28/95
Signature (Industry Contact) Date
White - City Yellow - Industry Form 14-23

1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972 (503) 823-7740, FAX (503) 823-6995

April 6, 1994

Certification # P 369 202 439

Amos Kamerer, Plant Manager KOPPERS 7540 NW St. Helens Rd. Portland, OR 97210

Subject: Environmental Surveys/Permit Application

Dear Mr. Kamerer:

I am forwarding copies of Environmental Surveys and a Permit Application to be filled out in order to comply with the United States Environmental Protection Agency's (USEPA) legally mandated Industrial Pretreatment Program. The objective of the program is to protect and maintain the quality of our water supplies, rivers and groundwater. You are being asked to contribute to this effort by describing some operating characteristics and chemicals used in your operations.

Enclosed is **Environmental Survey form parts A and B**. Form A identifies if there is a non-domestic discharge from your facility. Form B is required for characterizing the sources of non-domestic discharge from your facility, if any. Also enclosed is a **Permit Application** which is needed to begin the permitting process. KOPPERS is identified as a Categorical Industry by EPA's Code of Federal Regulations and therefore must be monitored under a permit. Because your company does not discharge to the City sewer system, KOPPERS will receive a Non-Discharging Permit.

7/30/94

We request the surveys and permit application be returned by **July-8,-1994.** A payment in the amount of \$75.00 is required to cover the cost of issuing the permit. Please include a check payable to the City of Portland with your submission. Send all correspondence and completed forms to:

Christina K. Anderson, Permit Manager Bureau of Environmental Services 1120 S.W. 5th Avenue, Room 400 Portland, OR 97204-1972

For your information enclosed is Chapter 17.34 of the City code, Industrial Wastewater Discharges, a copy of the Bureau of Environmental Services' Administrative Rules adopted under this chapter, and an Informational Handout concerning the Resource Conservation and Recovery Act (RCRA).

Sincerely yours,

Christina K. Anderson

Permit Manager

S:\IU-K\KOPPERS\PERMIT\94SURVEY.AB

hristina K. Anderson



## MUNICIPAL PRETREATMENT PROGRAM



SOURCE CONTROL DIVISION
BUREAU OF ENVIRONMENTAL SERVICES
CITY OF PORTLAND



Earl Blumenauer, Commissioner Mary T. Nolan, Director 1120 S.W. 5th, Rm. 400 Portland, Oregon 97204-1972 (503) 796-7740 FAX: (503) 796-6995

### INDUSTRIAL WASTEWATER DISCHARGE

### PERMIT APPLICATION

### General Instructions

This form serves as a basis for Industrial Wastewater Discharge Permit Issuance. The City will be verifying data contained in the returned form through phone calls and site visits. Please take the time to fill out the form thoroughly and adequately. Enclosed are copies of the environmental survey submitted for your reference. All questions shold be answered. (Process wastewater also includes such items as spent solvents and chemicals dumped down floor drains and sinks.)

Section I Water/Wastewater Data: completed by all users discharging or preparing to discharge process

wastewater.

Section II Business/Facility Description: completed by all users discharging or proposing to discharge process

wastewater.

Section III Permit Application Monitoring Form: to be completed by all industrial users. The Permit Application

Monitoring Form satisfies Baseline Monitoring Requirements for categorical industrual users.

Attachment A Process schematic flow form

Attachment B Building layout form

Sections II and III contain specific instructions and examples to help you answer the questions. The instructions are located on the backside of the pages.

### New Facilities Proposing to Discharge Wastewater:

Please supply as much information as possible, providing the best estimates where appropriate.

### Categorical Users:

EPA has published specific federal standards called "categorical pretreatment standards." Industrial facilities covered by these standards are commonly termed "categorical users."

### Compliance with Pretreatment Standards:

Industrial and commercial facilities that have or will have a process wastewater discharge are required to comply with federal standards and local standards (generally prohibitive and specific limits such as heavy metals and cyanide), whichever apply or are more stringent. In most cases, the City may not know which standards apply until it reviews the general information that you provide.

		GENER	AL INFORMATION	
				ttach requested information as needed. company, corporation, or partnership.
1.	Company Name/Tele Division name:	phone number:  (if applicable)		
2.	Mailing Address:	Street or P.O. Box: City, State, Zip Code:		
3.		different from mailing addressox:  Code:	ss)	
4.	Person to be contact Name: Address: City, State, Zip Title: Phone Number:	Code:		
5.	Name: Address:	Code:		
Con	fidentiality			
conf	identiality.	•	nat you wish to remain confi	dential and your basis for requiring
I he requ	irements as specified i	alty of law that this informant the Federal General Pretreat	ment Regulations and amendme	e with the applicable procedures and ents thereto, and the City's Sewer Use ation, including the possibility of fine
Nan	ne (print)			
•				
Sign	ature	Title	Date	Phone
Aut	norized Representative	Statement		
cont pena	hments therein. Furth ained in this report. I lities for submitting fal	ermore, based on my inquiry of believe that the information se information, including the p	of those persons immediately resistive, accurate, and complete.	the information in this report and all sponsible for obtaining the information I am aware that there are significant tent. I further certify that the sampling rges.
Nam	ne (print)			
Sign	ature	Title	Date	Phone

Leave Blank: City use only Date Received:

### General Information

### Note to Signing Official

Information must be typewritten or clearly printed. Attach additional sheets with section and item number indicated, if needed to provide complete information. Signing official must have authorization to provide such information on behalf of the company, corporation, or partnership. Please complete a form for each facility that discharges to the City sanitary sewer system. Additional copies can be obtained from the City. The address and phone number are provided below.

Please forward the completed form to the address shown below. If you have further questions, call the City at (796-7180).

Source Control Management City of Portland Bureau of Environmental Services 1120 SW 5th Ave Portland, OR 97204

- 1. Enter the name or title of your business.
- 3. Enter facility address where discharge occurs, if different than mailing address.
- 4. Give the name of the person who is thoroughly familiar with the facts reported on this form and who can be contacted by the City staff.

### Note:

1. The Qualified Certification pertains to the actual preparer of the report if different from the authorized representative.

2. The Authorized Representative may be either a corporate official, a partner, a fiduciary, or other duly authorized representative if this person is responsible for the overall operation of the facility from which the discharge originates.

### Section I--Water/Wastewater Data

	businesses, estimate flows).  Supply From(gal/day)  Discharged To(gal/day)  City Water Other Source Sanitary Sewer Other
	Water Used for:
	Sanitary
	Processes (see No. 10 for categorical users)
	Boiler/Cooling Tower
	Cooling Water Contact
	Washing (equipment washdown)
	Irrigation
	Air Pollution Control
	Surface Water
	Water Hauler
	Other(Describe)
	Total:
	Water Account Number
2.	Are, or will, the discharges be continuous [ ] or batch [ ]?
3.	If batch discharge occurs or will occur, indicate:
	(a) Percent processing as batch
	(b) Percent processing as continuous
	(c) Number of batch discharges at (hours per discharge)
	(d) Average quantity per batch gallons
	(e) Flow rate gallons/minute
4.	Discharge Period
	(a) Hours of Day Operated or planned: M T W Th F Sat Sun
	(b) Duration of Discharge (hrs/day): M T W Th F Sat Sun
5.	Variation of Operation
	Is the business or proposed activity:  Continuous through the year [ ], or  Seasonal [ ]Circle the months of the year during which discharge occurs:
	J F M A M J J A S O N D
6.	Process flow schematic: draw appropriate diagram(s) using the form in Attachment A.
7.	Building layout: Draw layout of building using Attachment B.

### Section I-Water/Wastewater Data

### PROVIDE CALCULATIONS TO SUPPORT ALL FIGURES IN TABLE 1.

1. Water Use and Distribution--Provide the daily average flows of water received and wastewater discharged in gallons per day for the last 12 months by dividing the total flows by the number of days that a discharge of water occurred (or operating day). For the water that is received from other than Water District services or discharged to other than community sanitary sewers, enter the location in the column headed "Source" or "Discharge To." Other source locations can include wells and rivers. Other discharge locations can include storm sewers, dry wells and receiving streams. Hourly and daily water supply meter readings may be used, provided the filling and discharge of storage tanks, process vats, etc., are taken into consideration.

For estimating sanitary flow use, 35 gallons for each employee.

Categorical users: Complete item 10 for providing flows for each of the regulated processes (process lines).

- A batch discharge is one which results from the draining of storage tanks or process tanks: intermittent boiler blowdown, etc.
- 4. Discharge Period:
  - (a) Enter the hours of the day for each day, during which waste from this Business Activity will be discharged to the sewer: e.g., from 6 a.m. to 5 p.m.
  - (b) Enter the time and duration of discharge other than continuous flows (15 minutes every hour).
- 5. Variation in Operation:

Indicate whether the business activity is continuous throughout the year or if it is seasonal. If the activity is seasonal, circle the months of the year during which discharge occurs. Make any comments you feel are required to describe the variation in operation of your business activity.

- 6. Go to Attachment A for form, instructions, and examples.
- 7. Go to Attachment B for form, instructions, and examples.

### Section I--Water/Wastewater Data

8.	<ol> <li>List existing or proposed plant sewer outlets, size, and flow (assign sequent with No. 1, see Attachments A and B):</li> </ol>	al reference number to each sewer starting  Daily
	Reference No.  Sewer Size (inches)  Descriptive location of sew connection or discharge por	er Avg. flow
		<del></del>
9.	<ol> <li>General characteristic of wastewater or proposed wastewater discharge: (p known)</li> </ol>	rovide specific values for a. b. d. e. f. if
	(a) Temperature: Don't know (b) pH level: Don't know (c) Flammable or explosive materials: Yes [ ] No [ ] Don't know [ (d) Fats, oils, and grease (mg/L): Don't know [ ] (e) 800 (mg/L): Don't know [ ] (f) TSS (mg/L): Don't know [ ] (g) Solid or viscous material Yes [ ] No [ ] Don't know [ ] (h) Toxics: Yes [ ] No [ ] Don't know [ ] *** REVIEW EN' ATTACL	
	(i) Solvents: Yes [ ] No [ ] Don't know [ ]	
10.	<ol> <li>For categorical facilities, provide the following flows for each of your regular (i.e., manufacturing process line covered by categorical pretreatment standard</li> </ol>	
	(a) Total Plant Flow in Gallons Per Day (gpd) discharged to the sewer sys	stem:
	Average Maximum	
	(b) Individual Process Flows in Gallons Per Day (gpd):	
	No. Regulated Process flowrate (gpd) flowrate (gpd)	Type of Discharge (batch, continuous, none)
11.	11. Is an inspection and sampling manhole structure available onsite? Yes [ ]	No [ ]
	<ul> <li>If yes, provide location below and include as part of the process flow</li> <li>Location description:</li> <li>If no, is one planned? Yes [ ] No [ ]</li> </ul>	schematic (see Attachment O).
12.	12. Do you or plan to have automatic sampling equipment or continuous wastev use or included in future plans?  Current: Sampling Equipment Yes [ ] No [ ] N/A [ ] Flow Meter Planned: Sampling Equipment Yes [ ] No [ ] N/A [ ] Flow Meter	ing Yes [ ] No [ ] N/A [ ]
	If so, please indicate the present or future location of this equipment on the sebelow:	ewer schematic and describe the equipment
13.	13. Does your facility pretreat or plan on pretreating any wastewater prior to di	scharge to a sanitary sewer?
	Yes [ ] No [ ] N/A [ ]	

### Section I--Water/Wastewater Data

No Instructions for items 8.-13.

### Section II-Business/Facility Description

		E-The business of from the busines		imarily used to dete	rmine the subs	stances which r	may enter into the wastewa	ter
1.	Busi	ness activity(Co	mplete a separat	e sheet for each major	or or proposed	business activit	y or product line on premise	s.)
	Activity:			SIC Nos.:		<del></del>		
	(a)	Raw materials u	ised or planned t	for use:				
	<b>(</b> b)	Chemicals used	or planned for t	<u>use</u> :				
	(c)	Product (new bo		: best estimates):		Estimate Thi	is Calendar Year	
				ay (Daily Units)			Day (Daily Units)	
		Product lames)	Average	Maximum		Average	Maximum	_
	(d)	Description—Des	scribe each was oduction and ope	tewater generating or rations during the ye	or proposed op ear. (Use addin	perations or ma tional sheets as	nufacturing process. Indic necessary.)	
	(e)	discharged to th	ne sewer. Briefl sheets if necessar	y describe the physi-		cal properties of	terial and product that may f each substance and produc	
			NAME			DESCRIPTION	N	

### Section II-Business/Facility Description

- 1. Business Activity—Describe the principal activity on the premises. For the purpose of completing this Part, an activity is a major class of manufacturing. Enter the Standard Industrial Classification (SIC) Code Number, as found in the 1972 Edition of Standard Industrial Classification Manual prepared by the Executive Office of the President, Office of Management and Budget, which is available from the Government Printing Office at Washington, D.C., or at San Francisco, California. DO NOT USE PREVIOUS EDITIONS OF THE MANUAL. Copies are also available for examination at most public libraries. If you do not know, leave SIC No. blank.
  - (a) & (b) If not already provided in Attachment C, list all primary raw materials and chemicals used in the facility's operations. Avoid use of trade names of chemicals. If trade names are used, provide information regarding the active ingredients.
  - (c) Product—List the types of products, giving the common or brand name and the proper or scientific name.

    Enter from your records the average and maximum amounts produced daily for the activity for the previous calendar year, and the estimated daily production for this calendar year. Attach additional pages if necessary.
  - (d) Description—Describe the wastewater generating process occurring on the premises, including any seasonal variation in wastewater discharge volumes, plant operations, raw materials, and chemicals used in process and/or production.
  - (e) Substances discharged—Give common (brand names) and technical names (chemical, scientific or proper names) of each raw material and product that may be discharged to the sewer. Briefly describe the physical, (e.g., color) and chemical, (e.g., reacts with water) properties of each substance.

### Instructions for Completing Section III

The remaining section will facilitate the collection of the necessary quantitative wastewater information to assist the City in establishing applicable pretreatment limits and requirements. NONCATEGORICAL FACILITIES are required to complete Section III, PART A ONLY. CATEGORICAL FACILITIES covered by federal categorical pretreatment standards ("categorical users") are required to complete Section III PARTS A and B.

Section III--Permit Application Monitoring Report: PARTS A and B

Section III PART A is to be completed by all facilities.

Section III PART B is additionally required for categorical industries.

### Note:

New Facilities (categorical and noncategorical): new businesses moving into existing facilities and new business proposing to construct a new building. No discharge of process wastewaters has occurred. However, supply as much information as possible providing best estimates where appropriate.

Contact the City if there are any questions on what limits apply to the discharge, what pollutants to sample, sampling requirements, and where to take samples. The general instructions on the back of the form provide general information on sampling.

### PART A: NON-CATEGORICAL INDUSTRIES

Note: Samples should be taken of the final effluent prior to discharge to the City's collection system. If there is more than one discharge of process wastewater to the City's sewer lines, xerox off this page and supply the analytical results for multiple discharges.

- 1. Existing Noncategorical Facility (report results in concentrations (mg/L) or mass (lbs))
  - (a) Each noncategorical facility will sample, have analyzed, and report on all pollutants as specified by the City. Samples collected must be representative and taken during peak production. Where mass limits apply, the facility must report results on a mass limit basis [concentration (x) regulated process flow]. Attach all calculations.

### 2. New Noncategorical Facility

(a) Supply as much information as possible providing best estimates where appropriate.

### ANALYTICAL RESULTS OF PROCESS WASTEWATER DISCHARGES

Pollutant			
Monthly Avg.	Limit		
Reported Ave	rage	·	
Daily Max. Li	imit		
Reported Max	timum		
1.	Specify units used (mg/L or lb):	<u></u>	
2.	Sample type (grab, composite):		
. 3.	Number of samples collected (explain):		
4.	Dates and times samples collected:		·
5.	Sample collection location:		
6.	Where samples analyzed:		
7.	Methods of analyses:		
8.	Provide name and address of commercial labs who a		
	Name:	Address:	
	Name:	Address:	

### Section III--Permit Application Monitoring

### PART A: NON-CATEGORICAL INDUSTRIES

To be completed by noncategorical users. Attach additional sheets if needed. Contact the City before sampling, if not sure of pretreatment standards, sampling protocols.

- 1(a) Pollutants-List across the top specific pollutants (use abbreviations) regulated in the City code. Example: Copper Cu.
  - Daily Maximum and Monthly Average -

Refer to the City code for pretreatment standards for the specific pollutant. Most cities have <u>daily maximum pretreatment standards</u> (limits), and not monthly averages.

Example: Daily maximum (Copper - Cu = 2 mg/L)

Monthly average (Zinc - Zn = 4 mg/L)

You would enter 2 under Cu and 4 under Zn.

- Reported maximum: Report the highest maximum concentration for the samples collected and analyzed.
- Reported average: If more than one sample was taken, average all the individual results and report the average in the spaces provided for each of the appropriate pollutants listed.
- Indicate type of samples (i.e., grab, flow proportioned composite, etc.), analytical methods, and number of samples taken. Indicate whether samples were taken of combined wastestreams. The industrial user must ascertain whether it can meet the pollutant standards. The type of discharge, i.e., bath, continuous, routine historical information (e.g., existing data pollutant discharge) et.c, is a factor that should guide the industrial user regarding the number of samples to be taken to ascertain compliance. Where feasible, samples should be flow-proportional composites. Additionally, the time, date of sampling, and methods of analysis must be reported. Analytical methods must be performed in accordance with 40 CFR Part 136 and any amendments thereto. It is important that the samples be representative and taken during full production.

Each daily composite shall be analyzed separately.

2(a) New facilities have not begun to operate and/or discharge.

## PART A: NON-CATEGORICAL INDUSTRIES

	1(b)	Compliance certification:
		Are all applicable pretreatment standards being met on a consistent basis?
		Yes [ ] No [ ]
		If not, what additional operations and maintenance procedures are being considered for compliance? Also, list additional pretreatment being considered to meet standards.
	(c)	Provide a compliance schedule for standards to be met. Specify the major events along with corresponding dates. Note that this schedule will require comment by the City and will be subject to changes.
2.	I her	lified Professional Certification:  reby certify under penalty of law that this information was obtained in accordance with the applicable procedures requirements as specified in the General Pretreatment Regulations and amendments thereto and the City's sewer use nance. I am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment.
Nan	ne (pri	int)
Sign	ature	Title Date Phone
Aut	horized	d Representative Statement
etta con pen	chmen tained alties f	ander penalty of law that I have personally examined and I am familiar with the information in this report and all its therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information in this report. I believe that the information is true, accurate, and complete. I am aware that there are significant for submitting false information, including the possibility of fine and imprisonment. I further certify that the sampling ported are representative of normal work cycles and expected pollutant discharges.
Nar	ne (pri	int)
Sigi	nature	Title Date Phone

## PART A: NON-CATEGORICAL INDUSTRIES

- 1(b) Compare the sample results against local pretreatment standards provided by the City (contained in City code).
  - Describe any additional O&M pretreatment and provide compliance schedule. Specify the major events needed to achieve compliance, as well as the dates for completion of each event (i.e., hiring an engineer, completing preliminary plans, completing final plans, executing contracts, commencing construction, completing construction, etc.). The shortest possible schedule should be provided.
- The certification pertains to the actual preparer of the report if different from the authorized representative.

The authorized representative may be either a corporate official, a partner, a fiduciary, or other duly authorized representative if this person is responsible for the overall operation of the facility from which the discharge originates.

# PART B: CATEGORICAL USERS Section III--Permit Application Monitoring

Sum	marize Each Regula	ated Process:			
Proc	cess Description	Production Rate	Pretreatment Standard Category	Subpart	Flow
_					
Tota	al plant flow:				
Nati	ure and Concentration	on of Pollutants (report co	oncentrations in mg/L or	mass in lbs):	
a.	Analysis of Regula	ated Flows			
	if applicable). Pradditional sheets i regulated by the assamples and how	r must perform sampling a rovide the analytical data f necessary (simply xero pplicable category need be many samples to take. lated process line what p	a for the regulated pro x the table and question e reported. Refer to base If the effluent samples	cesses in the space prons below). Only those existed for further instructs were taken at one con	wided below. Attach pollutants specifically tions on where to take
	Regulated Process	line(s):			
	Process Flow(s) (I	Daily ave. in mgd):		_	
	ANA	LYTICAL RESULTS OF	F PROCESS WASTEW	ATER DISCHARGES	
Ollutan	t				
Aonthly	Avg. Limit				
Reported	d Average				
Daily M	lax. Limit				
deported	d Maximum				
b.	Sample type (grab	, composite):			
c.	Number of sample	s collected (explain):	<del></del> -		
	Dates and times se				
<b>d.</b> ,		amples collected:	<del></del>		
d c.		amples collected:location:			······································
	Sample collection				
c.	Sample collection Where samples an	location:			
e. f.	Sample collection Where samples an Methods of analys	location:			
e. f. g.	Sample collection Where samples an Methods of analys Provide name and	alyzed:	abs performing analyses.		

### Section III-Permit Application Monitoring

### PART B: CATEGORICAL USERS

- 1. List each regulated process, the production rate (i.e., 10,000 lbs. of (product name/unit time-week, month, year), the category, and subpart of the applicable Categorical Pretreatment Standard as well as the SIC code for each process.
- 2. Each industrial user will sample, analyze, and report on all pollutants regulated specific to each process (refer to appropriate subcategory in regulations for regulated pollutants). Where mass limits exist, the facility will have to report results in mass limits (concentration x regulated process flow in million gallons/day x 8.34). The BAT pretreatment standards are processed-related. That is, a facility must comply with the standard at the end-of-the regulated process. However, EPA recognizes that many facilities combine their wastewater process lines, cooling H<sub>2</sub>O, and sanitary discharge prior to treatment and discharge to municipal sewers. Hence, a facility can sample at a combined point, but will need to adjust the categorical limit it must meet by (i.e., calculate adjusted limits) employing the Combined Wastestream Formula that is contained in Section 403.6(e) of the General Pretreatment Regulations (Federal Register January 28, 19810. If this is the case with your facility, you must employ the formula and provide additional data for calculations. Contact the City for more guidance. Insert in the table the regulated pollutant (use abbreviations), the published average and maximum numerical limit for the particular pollutant found in the regulation, or adjusted limits as calculated by use of the combined wastestream formula, and the results of the sampling (average and maximum values).

Indicate type of samples (i.e., grab, flow proportioned composite, etc.), analytical method, and number of samples taken. Indicate whether samples were taken of combined wastestreams. The industrial user must ascertain whether it can meet the 30-day average, calculated average, daily maximum, or calculated maximum limit. The type of discharge, i.e., bath, continuous, routine historical information (e.g., existing data pollutant discharge) etc., is a factor that should guide the industrial user regarding the number of samples to be taken to ascertain compliance. Where feasible, samples should be flow-proportional composites. Additionally, the time, date of sampling, and 40 CFR Part 136 and any amendments thereto. It is important that the samples be representative and taken during full production. Minimum sampling requirements are:

Process flows less than 250,000 gpd-3 samples within 2-week period Process flows greater than 250,000 gpd-6 samples within 2-week period

D 4 T	эт D.	Section IIIPermit Application Monitoring
PAI	К1 В:	CATEGORICAL USERS
4	Tota	1 Toxic Organics (TTOs):
	comp	lities who use toxic organics listed by EPA in its published categorical pretreatment standards are required to meet by pretreatment standards and must initially sample for TTO and determine compliance. Facilities found to be in pliance with TTO standards can develop a solvent management plan in lieu of having to periodically sample for corganics. If you do not use toxic organics in your manufacturing process, you will not be required to sample for but you must answer question "A" below.
	(a)	We presently do not or plan to use any of the toxic organics that are listed under the TTO standard located in the applicable categorical pretreatment standards published by EPA. [ ]
	<b>(</b> b)	We presently use or plan to use organic toxicants listed in the categorical pretreatment standards. [ ] Complete Parts c and d.
	(c)	A PAMF has previously been submitted which contains TTO information.  Yes [ ] No [ ]
	(d)	A solvent management plan has been developed and is attached.  Yes [ ] No [ ]
5.	Com	pliance Certification
	(a)	Is the facility meeting applicable categorical pretreatment standards on a consistent basis?  Yes [ ] No [ ]
	<b>(</b> b)	If no, do you require:
		(1) Additional operation and maintenance (O&M) to achieve compliance? Yes [ ] No [ ] (2) New or additional pretreatment facilities to achieve compliance? Yes [ ] No [ ]
	(c)	If additional O&M or new or additional pretreatment will be required to meet categorical pretreatment standards on a consistent basis, attach a description of it and a schedule on separate sheets. Project increments of progress indicating dates for the commencement and completion of major events leading to compliance with the standard. Note: The final compliance date in this schedule shall <u>not</u> be later than the compliance date for the applicable pretreatment standard. Written progress reports are required within 14 days of each of the compliance dates specified in the compliance schedule.
	(d)	I have provided a compliance schedule.
Ona	lified	Professional Certification:
l he requ	reby o	certify under penalty of law that this information was obtained in accordance with the applicable procedures and nts as specified in the General Pretreatment Regulations and amendments thereto and the City's sewer use ordinance, that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.
Nan	ne (pri	nt)
Sign	ature	Title Date Phone
		d Representative Statement:
attac cont pens	hmen ained dties f	ander penalty of law that I have personally examined and I am familiar with the information in this report and all its therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information in this report. I believe that the information is true, accurate, and complete. I am aware that there are significant for submitting false information, including the possibility of fine and imprisonment. I further certify that the sampling sorted are representative of normal work cycles and expected pollutant discharges.
Nan	ве (ргі	nt)
	-	

Title

Date

Signature

Phone

### Section III -- Permit Application Monitoring

### PART B: CATEGORICAL USERS

- 4. Facilities covered by a TTO pretreatment standard must initially sample for TTO and determine compliance. Analyses only have to be performed on toxic organics present. Contact City for list of toxics applicable to your operations.
- 4(a) Facilities that utilized none of the toxic organics can provide a certification statement in lieu of having to monitor for toxics.
- 4(d) Facilities whose sampling results indicate compliance with TTO standards can develop a solvent management plan in lieu of having to periodically sample for toxic organics. Contact the City of guidance.
- 5(a) In order to determine compliance with published or calculated mass-based categorical standards, a facility will need to compare its allowable mass limit (e.g., Pb = .00261 lbs x 200 lbs of steel produced = 0.533 lb) against the actual mass 1,000 lbs
  - loading derived from sampling (i.e., conc. x regulated process flows x 8.34 = 1bs discharged). If categorical standards are published in concentration, then a facility only needs to compare the concentration of its effluent against the regulated standards for the particular pollutant.
- 5(c) Describe any additional O&M or pretreatment and attach a compliance schedule. Specify the major events needed to achieve compliance, as well as the dates for completion of each event (i.e., hiring an engineer, completing preliminary plans, completing final plans, executing contracts, commencing construction, completing construction, etc.). The shortest possible schedule should be provided.
- 6. The certification pertains to the actual preparer of the report if different from the authorized.
  - The authorized representative may be either a corporate official, a partner, a fiduciary, or other duly authorized representative if this person is responsible for the overall operation of the facility from which the discharge originates.

### ATTACHMENT A

### ATTACHMENT A-SCHEMATIC FLOW DIAGRAM

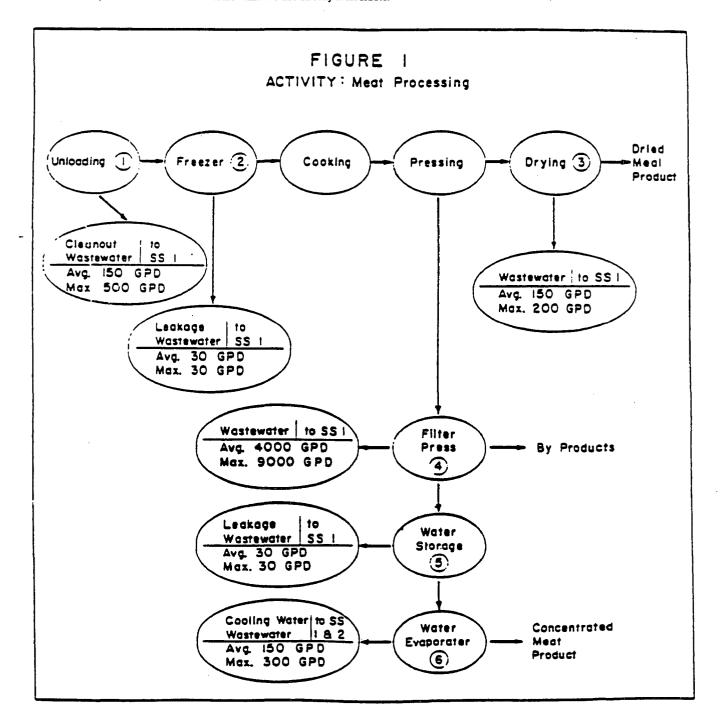
For each major activity in which wastewater is generated, draw a diagram of the flow of materials and water from start to completed activity, showing all unit processes generating wastewater. Number each unit process having wastewater discharges to the community sewer. Use these numbers when showing this unit process in the building layout in schematic. Use the space below or additional sheets of 8x11 paper. An example is provided on the backside.

### PROCESS FLOW SCHEMATIC

Separate drawing should be completed for each major business activity.

A line drawing (schematic flow diagram) of each major business activity is to be completed in the space below or drawn on an attached sheet of paper (all sheets should be letter size). Number each process which generates wastewater using the same numbering as in the building layout or plant site plan shown in the building layout schematic. An example of drawing required is shown below in Figure 1.

To determine your average daily volume and maximum daily volume of wastewater flow, you may have to read water meters, sewer meters, or make estimates of volumes that are not directly measurable.

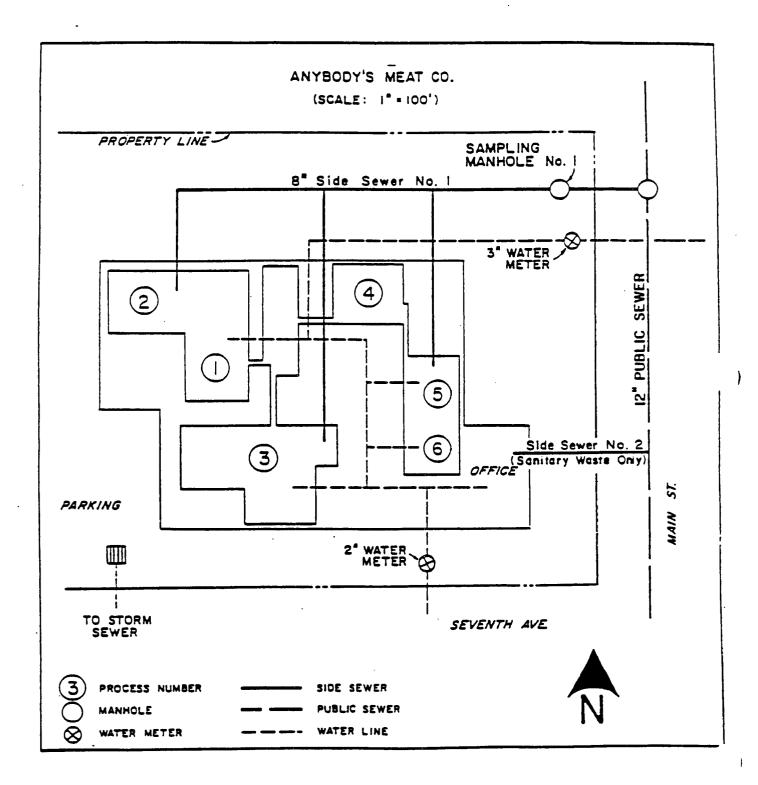


### ATTACHMENT B-BUILDING LAYOUT

Draw to scale the location of each building on the premises. Show location of all water meters (current and planned), storm drains, numbered unit processes (from process schematic(s)), community sewers and each side sewer connected to the community sewers, automatic sampling equipment (current and planned), location of pretreatment processes, treated flows and untreated flows, name and location of pertinent streets. Use flow schematic to indicate process and process discharge in gpd. Number each side sewer and show possible sampling locations (sampling manhole).

An attached blueprint or drawing of the facilities showing the above items may be substituted for a drawing on this sheet. See example on the back.

See example:

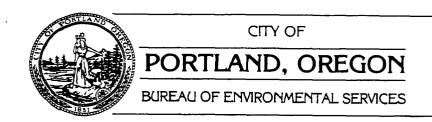




# MUNICIPAL PRETREATMENT PROGRAM



SOURCE CONTROL DIVISION BUREAU OF ENVIRONMENTAL SERVICES CITY OF PORTLAND



Earl Blumenauer, Commissioner Mary T. Nolan, Director 1120 S.W. 5th, Rm. 400 Portland, Oregon 97204-1972 (503) 796-7740 FAX: (503) 796-6995

### INDUSTRIAL WASTEWATER DISCHARGE

### PERMIT APPLICATION

### General Instructions

This form serves as a basis for Industrial Wastewater Discharge Permit Issuance. The City will be verifying data contained in the returned form through phone calls and site visits. Please take the time to fill out the form thoroughly and adequately. Enclosed are copies of the environmental survey submitted for your reference. All questions shold be answered. (Process wastewater also includes such items as spent solvents and chemicals dumped down floor drains and sinks.)

Section I Water/Wastewater Data: completed by all users discharging or preparing to discharge process

wastewater.

Section II Business/Facility Description: completed by all users discharging or proposing to discharge process

wastewater.

Section III Permit Application Monitoring Form: to be completed by all industrial users. The Permit Application

Monitoring Form satisfies Baseline Monitoring Requirements for categorical industrual users.

Attachment A Process schematic flow form

Attachment B Building layout form

Sections II and III contain specific instructions and examples to help you answer the questions. The instructions are located on the backside of the pages.

### New Facilities Proposing to Discharge Wastewater:

Please supply as much information as possible, providing the best estimates where appropriate.

### Categorical Users:

EPA has published specific federal standards called "categorical pretreatment standards." Industrial facilities covered by these standards are commonly termed "categorical users."

### Compliance with Pretreatment Standards:

Industrial and commercial facilities that have or will have a process wastewater discharge are required to comply with federal standards and local standards (generally prohibitive and specific limits such as heavy metals and cyanide), whichever apply or are more stringent. In most cases, the City may not know which standards apply until it reviews the general information that you provide.

					Leave Blank: City use only Date Received:
			GENERAL INFO	RMATION	
Cor	oplete all applicable se	ections. Information reauthorization to pro	must be typewritten o	or clearly printed. A	Attach requested information as needed. company, corporation, or partnership.
١.		=			288-5681
2.	Mailing Address:	Street or P.O. Box City, State, Zip Co	:		
3.	Facility Address: (i Street or P.O. City, State, Zi		ing address)		
i.	Person to be contact Name: Address: City, State, Zi Title: Phone Number	p Code:	ASE SAME FM ZBO	lant	
5.	Name: Address:	p Code:	HSK		
Plea con	fidentiality.	·	onnaire that you w	ish to remain conf	idential and your basis for requiring
he equ Ord	irements as specified	nalty of law that this in the Federal Genera	al Pretreatment Regu	lations and amendu	nce with the applicable procedures and nents thereto, and the City's Sewer Use nation, including the possibility of fine
Var	ne (print)		<del></del>		•
Sign	nature	Title		Date	Phone
lut	horized Representative	Statement			
itta on oen	chments therein. Furth	nermore, based on my I believe that the info lse information, inclu	vinquiry of those per commation is true, according the possibility of	rsons immediately recurate, and complete of fine and imprison	the the information in this report and all esponsible for obtaining the information. I am aware that there are significant ment. I further certify that the sampling larges.
Var	me (print)	4 %	_		
Sign	nature	Title		Date	Phone

### General Information

### Note to Signing Official

Information must be typewritten or clearly printed. Attach additional sheets with section and item number indicated, if needed to provide complete information. Signing official must have authorization to provide such information on behalf of the company, corporation, or partnership. Please complete a form for each facility that discharges to the City sanitary sewer system. Additional copies can be obtained from the City. The address and phone number are provided below.

Please forward the completed form to the address shown below. If you have further questions, call the City at (796-7180).

Source Control Management City of Portland Bureau of Environmental Services 1120 SW 5th Ave Portland, OR 97204

- 1. Enter the name or title of your business.
- 3. Enter facility address where discharge occurs, if different than mailing address.
- 4. Give the name of the person who is thoroughly familiar with the facts reported on this form and who can be contacted by the City staff.

### Note:

- 1. The Qualified Certification pertains to the actual preparer of the report if different from the authorized representative.
- 2. The Authorized Representative may be either a corporate official, a partner, a fiduciary, or other duly authorized representative if this person is responsible for the overall operation of the facility from which the discharge originates.

### Section I-Water/Wastewater Data

1.	Water use and distribution—Estimate the average quantity of water received and wastewater discharged daily (for new businesses, estimate flows).								
	Supply From(gal/day)  City Water Other Source  Sanitary Sewer Other  Water Used for:								
	Sanitary								
	Processes (see No. 10 for categorical users)								
	Boiler/Cooling Tower								
	Cooling Water Contact								
	Washing (equipment washdown)								
	Irrigation								
	Air Pollution Control								
	Surface Water								
	Water Hauler								
	Other(Describe)								
	Total:								
	Water Account Number								
2.	Are, or will, the discharges be continuous [ ] or batch [ ]?								
3.	If batch discharge occurs or will occur, indicate:								
	(a) Percent processing as batch								
	(b) Percent processing as continuous								
	(c) Number of batch discharges at								
	(d) Average quantity per batch gallons								
	(e) Flow rate gallons/minute								
4.	Discharge Period								
	(a) Hours of Day Operated or planned: MT WThF Sat Sun								
	(b) Duration of Discharge (hrs/day): M T W Th F Sat Sun								
5.	Variation of Operation								
	Is the business or proposed activity:  Continuous through the year [ ], or  Seasonal [ ]-Circle the months of the year during which discharge occurs:								
	J F M A M J J A S O N D								
6.	Process flow schematic: draw appropriate diagram(s) using the form in Attachment A.								
7.	Building layout: Draw layout of building using Attachment B.								

### Section I-Water/Wastewater Data

### PROVIDE CALCULATIONS TO SUPPORT ALL FIGURES IN TABLE 1.

1. Water Use and Distribution—Provide the daily average flows of water received and wastewater discharged in gallons per day for the last 12 months by dividing the total flows by the number of days that a discharge of water occurred (or operating day). For the water that is received from other than Water District services or discharged to other than community sanitary sewers, enter the location in the column headed "Source" or "Discharge To." Other source locations can include wells and rivers. Other discharge locations can include storm sewers, dry wells and receiving streams. Hourly and daily water supply meter readings may be used, provided the filling and discharge of storage tanks, process vats, etc., are taken into consideration.

For estimating sanitary flow use, 35 gallons for each employee.

Categorical users: Complete item 10 for providing flows for each of the regulated processes (process lines).

- A batch discharge is one which results from the draining of storage tanks or process tanks: intermittent boiler blowdown, etc.
- Discharge Period:
  - (a) Enter the hours of the day for each day, during which waste from this Business Activity will be discharged to the sewer. e.g., from 6 a.m. to 5 p.m.
  - (b) Enter the time and duration of discharge other than continuous flows (15 minutes every hour).
- Variation in Operation:

Indicate whether the business activity is continuous throughout the year or if it is seasonal. If the activity is seasonal, circle the months of the year during which discharge occurs. Make any comments you feel are required to describe the variation in operation of your business activity.

- 6. Go to Attachment A for form, instructions, and examples.
- Go to Attachment B for form, instructions, and examples.

### Section I-Water/Wastewater Data

8.	List existing or proposed plant sewer outlets, size, and flow (assign sequential reference number to each sewer starting with No. 1, see Attachments A and B):  Daily								
	Reference No.	Sewer Size (inches)		location of sewer or discharge point	Avg. flow				
9.	General characteristic of wastewater or proposed wastewater discharge: (provide specific values for a. b. d. e. f. if known)								
	(c) Flammable or exple (d) Fats, oils, and grea (e) 800 (mg/L):	osive materials: Yese (mg/L):  Don't know { Don't know [ aterial Yes [ ] N	s[] No[] Don't know[] ] ] No[] Don't	 know [ ]   REVIEW ENVIRO	ONMENTAL SURVEY B				
	(i) Solvents: Yes [ ]	No [ ] Don't	know[]	ATTACHME	ENT "A".				
10.	For categorical facilities, provide the following flows for each of your regulated processes or proposed regulated process (i.e., manufacturing process line covered by categorical pretreatment standards).  (a) Total Plant Flow in Gallons Per Day (gpd) discharged to the sewer system:								
		Gallons Per Day (	. ,	•	:				
	(b) Individual Process								
	No. Regulated	A	Average	Maximum lowrate (gpd)	Type of Discharge (batch, continuous, none)				
11.	Is an inspection and sam	pling manhole struc	ture available of	nsite? Yes [ ] No	o[]				
	<ul> <li>Location description</li> </ul>	ation below and includ:  cd? Yes [ ] No		he process flow sche	ematic (see Attachment O).				
12.	use or included in future Current: Sampling Equ	plans? upment Yes [ ]	No[] N/A	ontinuous wastewater      Flow Metering     Flow Metering					
	If so, please indicate the below:	present or future loc	cation of this equ	nipment on the sewer	r schematic and describe the equipmen				
13.	Does your facility pretre	at or plan on pretre	ating any waster	water prior to discha	rge to a sanitary sewer?				
	Yes [ ] No [ ] N/	N[]							

### Instructions

## Section I-Water/Wastewater Data

No Instructions for items 8.-13.

### Section II-Business/Facility Description

		E—The business from the busines	description is primarily as activity.	y used to determine	e the subst	ances which ma	y enter into the wa	stewater
1.	Busi	ness activity-(Co	omplete a separate shee	t for each major or	proposed b	ousiness activity	or product line on p	remises.)
	Acti	vity:			SIC Nos.:		<del></del>	-
	(a)	Raw materials	used or planned for use	<u>2</u> :				
	(b)	Chemicals used	or planned for use:					
	(c)	Product (new b	usinesses provide best	estimates):				
	` ,		Past Calendar			Estimate This	Calendar Year	
			Amounts Per Day (D	aily Units)		Amounts Per Da	ay (Daily Units)	
		Product Names)	Average	Maximum		Average	Maximum	
	(d)		scribe each wastewate oduction and operation					Indicate
	(e)	discharged to t	charged—Give common he sewer. Briefly des- sheets if necessary.)	and technical nameribe the physical a	es of each and chemic	major raw mate al properties of	rial and product that each substance and	t may be products
			NAME			DESCRIPTION		

#### Instructions

#### Section II-Business/Facility Description

- Business Activity—Describe the principal activity on the premises. For the purpose of completing this Part, an activity is a major class of manufacturing. Enter the Standard Industrial Classification (SIC) Code Number, as found in the 1972 Edition of Standard Industrial Classification Manual prepared by the Executive Office of the President, Office of Management and Budget, which is available from the Government Printing Office at Washington, D.C., or at San Francisco, California. DO NOT USE PREVIOUS EDITIONS OF THE MANUAL. Copies are also available for examination at most public libraries. If you do not know, leave SIC No. blank.
  - (a) & (b) If not already provided in Attachment C, list all primary raw materials and chemicals used in the facility's operations. Avoid use of trade names of chemicals. If trade names are used, provide information regarding the active ingredients.
  - (c) Product-List the types of products, giving the common or brand name and the proper or scientific name. Enter from your records the average and maximum amounts produced daily for the activity for the previous calendar year, and the estimated daily production for this calendar year. Attach additional pages if necessary.
  - (d) Description—Describe the wastewater generating process occurring on the premises, including any seasonal variation in wastewater discharge volumes, plant operations, raw materials, and chemicals used in process and/or production.
  - (e) Substances discharged—Give common (brand names) and technical names (chemical, scientific or proper names) of each raw material and product that may be discharged to the sewer. Briefly describe the physical, (e.g., color) and chemical, (e.g., reacts with water) properties of each substance.

#### Instructions for Completing Section III

The remaining section will facilitate the collection of the necessary quantitative wastewater information to assist the City in establishing applicable pretreatment limits and requirements. NONCATEGORICAL FACILITIES are required to complete Section III, PART A ONLY. CATEGORICAL FACILITIES covered by federal categorical pretreatment standards ("categorical users") are required to complete Section III PARTS A and B.

Section III-Permit Application Monitoring Report: PARTS A and B

Section III PART A is to be completed by all facilities.

Section III PART B is additionally required for categorical industries.

#### Note:

New Facilities (categorical and noncategorical): new businesses moving into existing facilities and new business proposing to construct a new building. No discharge of process wastewaters has occurred. However, supply as much information as possible providing best estimates where appropriate.

Contact the City if there are any questions on what limits apply to the discharge, what pollutants to sample, sampling requirements, and where to take samples. The general instructions on the back of the form provide general information on sampling.

## PART A: NON-CATEGORICAL INDUSTRIES

Note: Samples should be taken of the final effluent prior to discharge to the City's collection system. If there is more than one discharge of process wastewater to the City's sewer lines, xerox off this page and supply the analytical results for multiple discharges.

- 1. Existing Noncategorical Facility (report results in concentrations (mg/L) or mass (lbs))
  - (a) Each noncategorical facility will sample, have analyzed, and report on all pollutants as specified by the City. Samples collected must be representative and taken during peak production. Where mass limits apply, the facility must report results on a mass limit basis [concentration (x) regulated process flow]. Attach all calculations.

#### 2. New Noncategorical Facility

(a) Supply as much information as possible providing best estimates where appropriate.

#### ANALYTICAL RESULTS OF PROCESS WASTEWATER DISCHARGES

Pollutant							
ГОДИМИ							
Monthly Avg	. Limit						
Reported Ave	rage						
Daily Max. L	imit						
Reported Max	timum						
1.	Specify units used (mg/L or lb):						
2.	Sample type (grab, composite):						
, 3.	Number of samples collected (explain):						
4.	Dates and times samples collected:						
5.	Sample collection location:						
6.	Where samples analyzed:						
7.	Methods of analyses:						
8.	Provide name and address of commercial labs						
	Name:						
	Name:	Address:					
		<del></del>					

#### Instructions

#### Section III--Permit Application Monitoring

## PART A: NON-CATEGORICAL INDUSTRIES

To be completed by noncategorical users. Attach additional sheets if needed. Contact the City before sampling, if not sure of pretreatment standards, sampling protocols.

- 1(a) Pollutants—List across the top specific pollutants (use abbreviations) regulated in the City code. Example: Copper Cn
  - Daily Maximum and Monthly Average -

Refer to the City code for pretreatment standards for the specific pollutant. Most cities have <u>daily maximum pretreatment standards</u> (limits), and not monthly averages.

Example: Daily maximum (Copper - Cu = 2 mg/L)

Monthly average (Zinc - Zn = 4 mg/L)

You would enter 2 under Cu and 4 under Zn.

- Reported maximum: Report the highest maximum concentration for the samples collected and analyzed.
- Reported average: If more than one sample was taken, average all the individual results and report the average in the spaces provided for each of the appropriate pollutants listed.
- Indicate type of samples (i.e., grab, flow proportioned composite, etc.), analytical methods, and number of samples taken. Indicate whether samples were taken of combined wastestreams. The industrial user must ascertain whether it can meet the pollutant standards. The type of discharge, i.e., bath, continuous, routine historical information (e.g., existing data pollutant discharge) etc., is a factor that should guide the industrial user regarding the number of samples to be taken to ascertain compliance. Where feasible, samples should be flow-proportional composities. Additionally, the time, date of sampling, and methods of analysis must be reported. Analytical methods must be performed in accordance with 40 CFR Part 136 and any amendments thereto. It is important that the samples be representative and taken during full production.

Each daily composite shall be analyzed separately.

2(a) New facilities have not begun to operate and/or discharge.

## PART A: NON-CATEGORICAL INDUSTRIES

Aut l ce atta con pen resu	ertify i chmen tained alties	Title Date Phone of Representative Statement and I am familiar with the information in this report and all as therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information in this report. I believe that the information is true, accurate, and complete. I am aware that there are significant for submitting false information, including the possibility of fine and imprisonment. I further certify that the sampling ported are representative of normal work cycles and expected pollutant discharges.
Aut L ce atta con pen	horize crify i chmen tained alties i	Title Date Phone and Representative Statement under penalty of law that I have personally examined and I am familiar with the information in this report and all this therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information in this report. I believe that the information is true, accurate, and complete. I am aware that there are significant for submitting false information, including the possibility of fine and imprisonment. I further certify that the sampling ported are representative of normal work cycles and expected pollutant discharges.
Sign Aut I ce atta con pen	horize ertify i chmen tained alties	Title Date Phone  and Representative Statement  under penalty of law that I have personally examined and I am familiar with the information in this report and all his therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information in this report. I believe that the information is true, accurate, and complete. I am aware that there are significant for submitting false information, including the possibility of fine and imprisonment. I further certify that the sampling
Sign Aut I ce atta con pen	horize ertify i chmen tained alties	Title Date Phone  and Representative Statement  under penalty of law that I have personally examined and I am familiar with the information in this report and all his therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information in this report. I believe that the information is true, accurate, and complete. I am aware that there are significant for submitting false information, including the possibility of fine and imprisonment. I further certify that the sampling
Aut Aut con pen	horize ertify i chmen tained alties	Title Date Phone  and Representative Statement  under penalty of law that I have personally examined and I am familiar with the information in this report and all his therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information in this report. I believe that the information is true, accurate, and complete. I am aware that there are significant for submitting false information, including the possibility of fine and imprisonment. I further certify that the sampling
Sign Aut	nature horize ertify i	Title Date Phone  and Representative Statement  under penalty of law that I have personally examined and I am familiar with the information in this report and all its therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information
Sign	nature	Title Date Phone and Representative Statement
Nar	ne (pr	int)
Nar	ne (pr	int)
	ordi fine	nance. I am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment.
		reby certify under penalty of law that this information was obtained in accordance with the applicable procedures requirements as specified in the General Pretreatment Regulations and amendments thereto and the City's sewer use
2.	Qua	lified Professional Certification:
	(c)	Provide a compliance schedule for standards to be met. Specify the major events along with corresponding dates. Note that this schedule will require comment by the City and will be subject to changes.
		If not, what additional operations and maintenance procedures are being considered for compliance? Also, list additional pretreatment being considered to meet standards.
		Yes [ ] No [ ]
		Are all applicable pretreatment standards being met on a consistent basis?
		And all and Variable resources and a state of the state o

#### Instructions

## PART A: NON-CATEGORICAL INDUSTRIES

- 1(b) Compare the sample results against local pretreatment standards provided by the City (contained in City code).
  - Describe any additional O&M pretreatment and provide compliance schedule. Specify the major events needed to achieve compliance, as well as the dates for completion of each event (i.e., hiring an engineer, completing preliminary plans, completing final plans, executing contracts, commencing construction, completing construction, etc.). The shortest possible schedule should be provided.
- The certification pertains to the actual preparer of the report if different from the authorized representative.

The authorized representative may be either a corporate official, a partner, a fiduciary, or other duly authorized representative if this person is responsible for the overall operation of the facility from which the discharge originates.

### Section III-Permit Application Monitoring

## PART B: CATEGORICAL USERS

Sun	nmanze Each Regula	ited Process:			
Proc	cess Description	Production Rate	Pretreatment Standard Category	Subpart	Flow
-			<del></del>	·	
	<del></del>				
_					
Tota	al plant flow:				
		n of Pollutants (report co	oncentrations in mg/L or	r mass in lbs):	
a.	Analysis of Regula	ated Flows			•
	if applicable). Pr additional sheets in regulated by the ap- samples and how	must perform sampling a rovide the analytical data f necessary (simply xero oplicable category need be many samples to take. lated process line what pro-	for the regulated pro the table and question reported. Refer to bar If the effluent samples	cesses in the space pro- ns below). Only those ckside for further instruc- s were taken at one co	ovided below. Attach pollutants specifically ctions on where to take
	Regulated Process	line(s):			
	Process Flow(s) (D	Daily ave. in mgd):		_	
	ANA	LYTICAL RESULTS OF	PROCESS WASTEW	ATER DISCHARGES	
Pollutan	nt				
Monthly	Avg. Limit				
Reporte	d Average				
Daily M	fax. Limit				•
Reporte	d Maximum				
b.	Sample type (grab,	composite):			
c.	Number of sample	s collected (explain):			
d.	Dates and times sa	mples collected:			
e.	Sample collection	location:			
f.	Where samples and	alyzed:			
g.	Methods of analyse	s:	Total Control		
h.	Provide name and	address of commercial la	bs performing analyses	:	
	Name:		Address:		

#### Instructions

#### Section III-Permit Application Monitoring

### PART B: CATEGORICAL USERS

- 1. List each regulated process, the production rate (i.e., 10,000 lbs. of (product name/unit time-week, month, year), the category, and subpart of the applicable Categorical Pretreatment Standard as well as the SIC code for each process.
- 2. Each industrial user will sample, analyze, and report on all pollutants regulated specific to each process (refer to appropriate subcategory in regulations for regulated pollutants). Where mass limits exist, the facility will have to report results in mass limits (concentration x regulated process flow in million gallons/day x 8.34). The BAT pretreatment standards are processed-related. That is, a facility must comply with the standard at the end-of-the regulated process. However, EPA recognizes that many facilities combine their wastewater process lines, cooling H<sub>2</sub>O, and sanitary discharge prior to treatment and discharge to municipal sewers. Hence, a facility can sample at a combined point, but will need to adjust the categorical limit it must meet by (i.e., calculate adjusted limits) employing the Combined Wastestream Formula that is contained in Section 403.6(e) of the General Pretreatment Regulations (Federal Register January 28, 19810. If this is the case with your facility, you must employ the formula and provide additional data for calculations. Contact the City for more guidance. Insert in the table the regulated pollutant (use abbreviations), the published average and maximum numerical limit for the particular pollutant found in the regulation, or adjusted limits as calculated by use of the combined wastestream formula, and the results of the sampling (average and maximum values).

Indicate type of samples (i.e., grab, flow proportioned composite, etc.), analytical method, and number of samples taken. Indicate whether samples were taken of combined wastestreams. The industrial user must ascertain whether it can meet the 30-day average, calculated average, daily maximum, or calculated maximum limit. The type of discharge, i.e., bath, continuous, routine historical information (e.g., existing data pollutant discharge) etc., is a factor that should guide the industrial user regarding the number of samples to be taken to ascertain compliance. Where feasible, samples should be flow-proportional composites. Additionally, the time, date of sampling, and 40 CFR Part 136 and any atmendments thereto. It is important that the samples be representative and taken during full production. Minimum sampling requirements are:

Process flows less than 250,000 gpd-3 samples within 2-week period Process flows greater than 250,000 gpd-6 samples within 2-week period

## Section III-Permit Application Monitoring

## PART B: CATEGORICAL USERS

4	T1	T:-	A	œσν\.
4.	lotal	OXIC	Organics	(TTUs):

	com	lities who use toxic organics listed by EPA in its published categorical pretreatment standards are required to meet pretreatment standards and must initially sample for TTO and determine compliance. Facilities found to be in pliance with TTO standards can develop a solvent management plan in lieu of having to periodically sample for corganics. If you do not use toxic organics in your manufacturing process, you will not be required to sample for but you must answer question "A" below.
	(a)	We presently do not or plan to use any of the toxic organics that are listed under the TTO standard located in the applicable categorical pretreatment standards published by EPA. [ ]
	<b>(</b> b)	We presently use or plan to use organic toxicants listed in the categorical pretreatment standards. [ ] Complete Parts c and d.
	(c)	A PAMF has previously been submitted which contains TTO information.  Yes [ ] No [ ]
	(d)	A solvent management plan has been developed and is attached.  Yes [ ] No [ ]
<b>5</b> .	Com	pliance Certification
	(a)	Is the facility meeting applicable categorical pretreatment standards on a consistent basis?  Yes [ ] No [ ]
	(b)	If no, do you require:
		(1) Additional operation and maintenance (O&M) to achieve compliance? Yes [ ] No [ ] (2) New or additional pretreatment facilities to achieve compliance? Yes [ ] No [ ]
	(c)	If additional O&M or new or additional pretreatment will be required to meet categorical pretreatment standards on a consistent basis, attach a description of it and a schedule on separate sheets. Project increments of progress indicating dates for the commencement and completion of major events leading to compliance with the standard. Note: The final compliance date in this schedule shall not be later than the compliance date for the applicable pretreatment standard. Written progress reports are required within 14 days of each of the compliance dates specified in the compliance schedule.
	(d)	I have provided a compliance schedule.
I he	reby (	Professional Certification: certify under penalty of law that this information was obtained in accordance with the applicable procedures and into as specified in the General Pretreatment Regulations and amendments thereto and the City's sewer use ordinance, that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.
Nam	е (рп	nt)
Sign	ature	Title Date Phone
l cer attac contr pena	tify the homen ained lties f	d Representative Statement:  Inder penalty of law that I have personally examined and I am familiar with the information in this report and all the therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information in this report. I believe that the information is true, accurate, and complete. I am aware that there are significant or submitting false information, including the possibility of fine and imprisonment. I further certify that the sampling worked are representative of normal work cycles and expected pollutant discharges.
Nam	e (pri	int)

19

Title

Signature

Phore

Date

#### Instructions

#### Section III-Permit Application Monitoring

#### PART B: CATEGORICAL USERS

- 4. Facilities covered by a TTO pretreatment standard must initially sample for TTO and determine compliance. Analyses only have to be performed on toxic organics present. Contact City for list of toxics applicable to your operations.
- 4(a) Facilities that utilized none of the toxic organics can provide a certification statement in lieu of having to monitor for toxics.
- 4(d) Facilities whose sampling results indicate compliance with TTO standards can develop a solvent management plan in lieu of having to periodically sample for toxic organics. Contact the City of guidance.
- 5(a) In order to determine compliance with published or calculated mass-based categorical standards, a facility will need to compare its allowable mass limit (e.g., Pb = .00261 lbs x 200 lbs of steel produced = 0.533 lb) against the actual mass 1,000 lbs
  - loading derived from sampling (i.e., conc. x regulated process flows x 8.34 = lbs discharged). If categorical standards are published in concentration, then a facility only needs to compare the concentration of its effluent against the regulated standards for the particular pollutant.
- 5(c) Describe any additional O&M or pretreatment and attach a compliance schedule. Specify the major events needed to achieve compliance, as well as the dates for completion of each event (i.e., hiring an engineer, completing preliminary plans, completing final plans, executing contracts, commencing construction, completing construction, etc.). The shortest possible schedule should be provided.
- 6. The certification pertains to the actual preparer of the report if different from the authorized.
  - The authorized representative may be either a corporate official, a partner, a fiduciary, or other duly authorized representative if this person is responsible for the overall operation of the facility from which the discharge originates.

#### ATTACHMENT A

## ATTACHMENT A-SCHEMATIC FLOW DIAGRAM

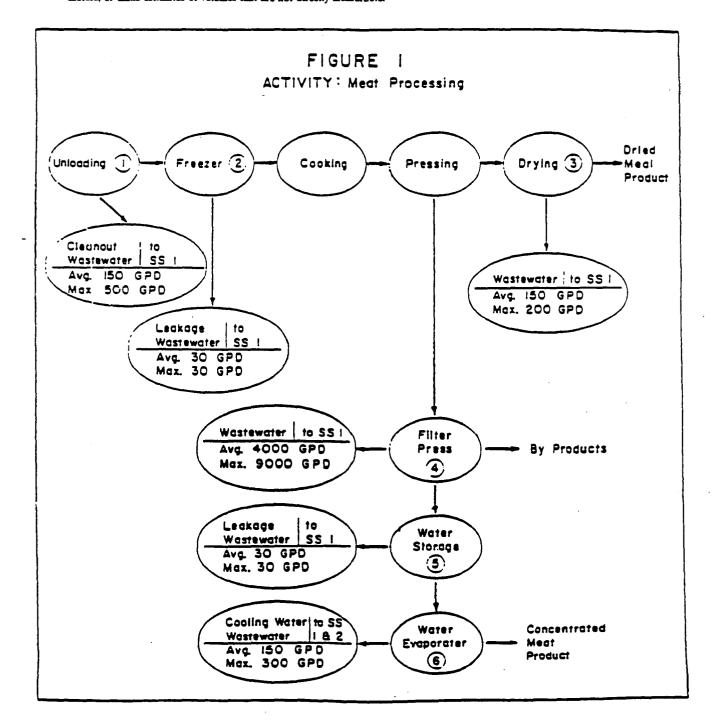
For each major activity in which wastewater is generated, draw a diagram of the flow of materials and water from start to completed activity, showing all unit processes generating wastewater. Number each unit process having wastewater discharges to the community sewer. Use these numbers when showing this unit process in the building layout in schematic. Use the space below or additional sheets of 8x11 paper. An example is provided on the backside.

### PROCESS FLOW SCHEMATIC

Separate drawing should be completed for each major business activity.

A line drawing (schematic flow diagram) of each major business activity is to be completed in the space below or drawn on an attached sheet of paper (all sheets should be letter size). Number each process which generates wastewater using the same numbering as in the building layout or plant site plan shown in the building layout schematic. An example of drawing required is shown below in Figure 1.

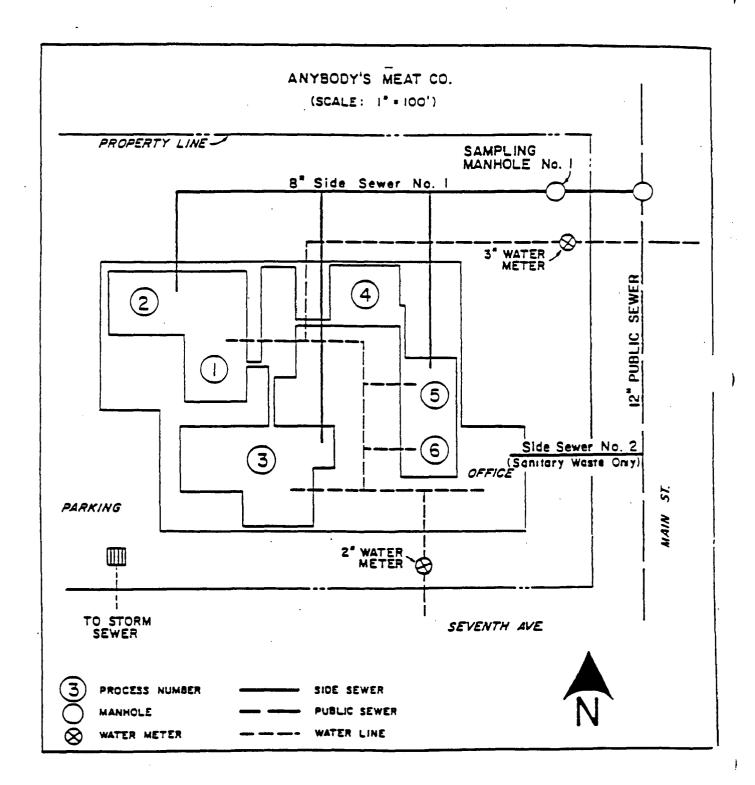
To determine your average daily volume and maximum daily volume of wastewater flow, you may have to read water meters, sewer meters, or make estimates of volumes that are not directly measurable.



### ATTACHMENT B-BUILDING LAYOUT

Draw to scale the location of each building on the premises. Show location of all water meters (current and planned0, storm drains, numbered unit processes (from process schematic(s)), community sewers and each side sewer connected to the community sewers, automatic sampling equipment (current and planned), location of pretreatment processes, treated flows and untreated flows, name and location of pertinent streets. Use flow schematic to indicate process and process discharge in gpd. Number each side sewer and show possible sampling locations (sampling manhole).

An attached blueprint or drawing of the facilities showing the above items may be substituted for a drawing on this sheet. See example on the back.



PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAPE =

KOPPERS INDUSTRIES, INC.

ADDRESS

7540 NW ST. HELENS RD.

PORTLAND, OR 97210

FACILITY . LOCATION

NW TERMINAL MULTNOMAH CO.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) [17-19]

101003 PERMIT NUMBER OO1
DISCHARGE NUMBER

3077-J

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

FROM 97 06 01 TO 97 06 30 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

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NOTE: Read instructions before completing this form.

PARAMETER		(3 Card Only) QUA (46-53)	NTITY OR LOADIN (54-61)	G	(4 Card Only) QU/	ANTITY OR CONCE (46-53)	4 Card Only) QUANTITY OR CONCENTRATION (38-45) (46-53) (54-61)			FREQUENCY OF	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX (62-63)	ANALYSIS (64-68)	(69-70)
	SAMPLE MEASUREMENT	3667		GPD			·		N/A	1/30	EST.
FLOW	PERMIT REQUIREMENT						·				
	SAMPLE MEASUREMENT				64	64	64	o <sub>F</sub>	0	1/30	GRAB
TEMP.	PERMIT REQUIREMENT				N/A	N/A	N/A				
PH	SAMPLE MEASUREMENT				7.1	7.1	7.1	SU	0	1/30	GRAB
ru	PERMIT REQUIREMENT				6.0	N/A	9.0				
OIL & GREASE	SAMPLE MEASUREMENT				8.5	8.5	8.5	MG/L	0.	1/30	GRAB
OIL & GREADE	PERMIT REQUIREMENT				N/A	10	15				
PHENOLS	SAMPLE MEASUREMENT				.24	.24	.24	MG/L	0	1/30	GRAB
FINANCIO	PERMIT REQUIREMENT				N/A	.5	.7			ji i	
	SAMPLE MEASUREMENT					·					·
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NAME/TITLE PRINCIPAL EXECUTIVE		FY UNDER PENALTY OF I	RMATION SUBMITTED H	EREIN: AND B	ASED ON .			TELEPHON	√E	D/	\TE
R.D. COLLINS, VP	OBTAIN TRUE, SIGNIFI	IQUIRY OF THOSE INITIAL INFORMATION ACCURATE AND COMPAND TO STAND THE PRINCIPLE FOR 10 SSIBILITY OF FINE AND I	, I BELIEVE THE SUBMI IPLETE. I AM AWAF BUBMITTING FALSE INFO	TTED INFORM RE THAT TH DRMATION, IN	ATION IS ERE ARE ATROPO	. Kamerer, F	<del></del>	3 , 286-	3681	97 0	7 07
TYPED OR PRINTED	U.S.C.	§ 1319. (Penalties under	these statutes may incluibetween 6 months and 6	ide fines up to	\$10,000 /X 819TNA	TURE OF PRINCIPAL I		EA NUMBE		YEAR M	10 DAY



# CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC. 7540 NW ST. HELENS ROAD PORTLAND OR 97210-3663

PHONE: (503) 286-3681 FAX: (503) 285-2831

DATE SUBMITTED: 06/03/97

PO#:

PROJECT NAME: WASTE WATER ANALYSIS

CLIENTS ID#

970774-001-01 06/03/97 1500 WASTE WATER FROM TANKS 1, 3,8 5

970774-001-02 06/03/97 1500 WASTE WATER FROM TANKS 1, 3.8 5

REPORT D	OATE: 06/05/97	REPORT NUM	PAGE: 1 OF 1			
SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTEWATER	FROM TANKS 1.3.5					
970774-001-	-01 0&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	8.5	PPM	· <b>2</b>	Gordon L.
970774-001-	-02 PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.24	PPM	0.05	Dick R.

Richard D. Reid - Laboratory Director

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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME KOPPERS INDUSTR ADDRESS 7540 NW ST. HEL	NATIO		(2-16)	ISCHAI 10NIT	RGE ELI ORING	IMINATIO G REP	(17-1		•	Form	n Approve	ad.					
PORTLAND, OR 97				10100 PERN	J3 MIT NUMBI	ER	_	DI	00 scharge		3077-J		No. 204		04		
FACILITY NW TERMINAL					МОМ	VITO	RING	PER	IOD		47430	Appr	oval exp	ires 10	0-31-94		
LOCATION MULTNOMAH CO.			FROM	YEAR 97		DAY 01	то	YEAR 97	мо 05	JAY 31			e je		. 4		•
·		(3 Card Only) Qu	JANTITY OR	(20-21)	(22-23) (		Card O	(26-27)		(30-31)	NOTE: Read in	struction	s before	com		$\top$	m.
PARAMETER (32-37)		(46-53)	(54-6		<del></del>	(*	(38-			(46-53)	(54-61)			NO. EX	FREQUENC OF ANALYSIS	Y 54	AMPLE TYPE
(32-37)		AVERAGE	MAXIN	MUM	UNITS		MINI	MUM		AVERAGE	MAXIMU	М	UNITS	(62-63)	(64-68)	-   -	69-70)
FLOW	SAMPLE MEASUREMENT	10645			GPD									N/A	9/31	1	EST.
	PERMIT REQUIREMENT																
TEMP.	SAMPLE MEASUREMENT			٠.			61	·		62	62		F	0	9/31	Ğ	RAB
	PERMIT REQUIREMENT	Ī					N/	Ά		N/A	N/A		B				
PH	SAMPLE MEASUREMENT						6.	8		6.8	6.9		SU	0 -	9/31	GI	RAB
	PERMIT REQUIREMENT	2					6.	o'		N/A	9.0		`.		*		*
	SAMPLE MEASUREMENT	:					N.	D.		4.0	9.8		MG/L	0	9/31	GI	RAB
OIL & GREASE	PERMIT REQUIREMENT	1					N/	A		10	15.4						
	SAMPLE MEASUREMENT			. ,			N.	D.		.05	.08		MG/L	0	9/31	GI	RAB
PHENOLS	PERMIT :: REQUIREMENT						. N/	A		.5	.7						
	SAMPLE MEASUREMENT																
	PERMIT REQUIREMENT																
	SAMPLE MEASUREMENT		·														
3	PERMIT REQUIREMENT								1	/							
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	IFY UNDER PENALTY OF THE	INFORMATION	SUBMITTE	ED HEREIN:	AND B	BASED		M			TEL	EPHONE		D	ATE	
R.D. COLLINS, VP	ON MY OBTAIN TRUE. SIGNIFIC	INQUIRY OF THOSE ING THE INFORMATION ACCURATE AND COCANT PENALTIES FOR DSSIBILITY OF FINE AUG. 1319. (Penalties	INDIVIOUALS  N. I BELIEVE TOMPLETE. I A  SUBMITTING	IMMEDIATE THE SUBM M AWAR FALSE IN	ELY RESPO NITTED INFO E THAT IFORMATION	NSIBLE DRMATIC THERE I. INCLI	FOR ON IS ARE LIDING	ANGE			, Plt. Mgr.	503	286 3	681	97 (	)6	09
TYPED OR PRINTED	\$10,000	and or maximum impriso	onment of betwee	statutes m en 6 month	ay include s and 5 year	fines ( s.)	up 16	,,			RIZED AGENT	AREA	NUMB		YEAR .	мо	DAY
COMMENT AND EXPLANATION OF A	NY VIOLATIONS (R	eference all attachmen	ts here)												4 3		

A "Round Robin" PAH analysis was run between 2 laboratories -- results are attached



Koppers Industry

Job Number: 970509Y

Page Number: 2 of 2

Lab Sample ID: 970509Y-1

Field ID: WWTKS 1,3,5 Date/Time: 05/05/97 0900

mar 22 1997

RECEIVED

Matrix: Waste Water

KOPPERSINDS, INC. PORTLAND.OR

EPA Category: Extractable Organics

Analysis Performed: EPA 8310; Polynuclear Aromatic Hydrocarbons by HPLC.

Analysis Date: 05/12/97 Analyst: VB

	Detection	Laboratory	Analytical
Parameter	<u>Limit</u>	Blank	Result
Acenaphthene	50.	ND	ND
Acenaphthylene	50.	ND	ND
Anthracene	5.	ND	ND
Benzo(a)anthracene	0.5	ND	3.4
Benzo(a)pyrene	2.	ND	5.
Benzo(b)fluoranthene	0.5	ND	7.6
Benzo(g,h,i)perylene	2.	ND	8.
Benzo(k)fluoranthene	0.5	ND	2.5
Chrysene	5.	ND	ND
Dibenzo(a,h)anthracene	2.	ND	ND
Fluoranthene	5.	ND	10
Fluorene	25.	ND	ND
Indeno(1,2,3-cd)pyrene	2.5	ND	ND
Naphthalene	25.	ND	ND
Phenanthrene	25.	ND	ND
Pyrene	5.	ND	9.

Results expressed as  $\mu g/l$  unless otherwise noted.

ND means none detected at or above the detection limit listed.

15.5 Ug,



## CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.

7540 NW ST. HELENS ROAD PORTLAND OR 97210-3663 PHONE: (503) 286-3681 FAX: (503) 285-2831

DATE SUBMITTED: 05/08/97

PO#:

PROJECT NAME: QUARTERLY PAH ANALYSIS

CI SAMPLE #

CLIENTS ID#

DATE

TIME DESCRIPTION

970654-001-01

05/05/97 0930 WASTE WATER GRAB SAMPLE FROM WWTKS 1,3,& 5

REPORT	DATE: 05/12/97	REPORT N	UMBER: 970	654		PAGE: 1 OF 1
SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTE WAT	TER GRAB SAMPLE FROM WWTK	S 1,3,& 5	<del></del>			• <del>-</del>
ř	PNAH 1 EPA 8270M (SIM)  ECEVET  4 1997  KOPPERS INDS. IN PORTLAND, OR	ACENAPHTHENE ACENAPHTHYLENE ANTHRACENE BENZO(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(GHI)PERYLENE BENZO(K)FLUORANTHENE CHRYSENE DIBENZO(AH)ANTHRACENE OFLUORANTHENE FLUORENE INDENO(1,2,3-CD)PYRENE NAPTHALENE PHENANTHRENE PYRENE	0.0084 0.00026 0.0019 0.0076 0.0031 0.0077 0.0042 0.0077 0.0076 <0.0005 0.012 0.0058 0.0025 0.0025 0.00035 0.0040 0.011	PPM PPM PPM PPM PPM PPM PPM PPM PPM PPM	0.00005 0.00005 0.00005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	Jacob F.
		SURROGATE	OBSCURED	*RECOVERY	50%-150%	÷

Laboratory Manager



RECEIVED

MAI 22 1997

KOPPERS INDS., INC.

Amos Kamerer Koppers Industry 7540 NW St. Helens Rd. Portland, OR 97210-3663 Report Date: May 16, 1997 Job Number: 970509Y

PO Number: Verbal - Amos Kamerer

Project No: None Provided Project Name: None Provided

### **Analytical Narrative**

The sample was received on 05/09/97 by Coffey Laboratories, Inc. (CLI) Sample Reception personnel under strict chain of custody protocol. The following information was provided at the time of sample reception:

Laboratory Sample ID	Field Identification	Matrix	Collection Date	Collection Time
970509Y-1	WWTKS 1,3,5	Waste Water	05/05/97	0900

The recommended holding time for each batch of analyses was in accordance with the data quality objectives as specified in the CLI Quality Assurance Plan unless otherwise noted.

Acceptable precision and accuracy were achieved for all analyses associated with this work order as demonstrated by the recoveries of the quality control samples analyzed concurrently with each batch.

The data submitted in this report is for the sole and exclusive use of the above-named client. All samples associated with the work order will be retained a maximum of 15 days from the report date or until the maximum holding time expires. All results pertain only to samples submitted.

Thank you for allowing Coffey Laboratories to be of service to you. If you have questions or need further assistance, please do not hesitate to call our Customer Services Department.

Sincerely,

**Technical Services** 

Lonal Chul

TS /atc



Koppers Industry

Job Number: 970509Y Page Number: 2 of 2

Lab Sample ID: 970509Y-1

Field ID: WWTKS 1,3,5 Date/Time: 05/05/97 0900

Matrix: Waste Water

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MAY 22 1997

KOPPERS INDS., INC. PORTLAND OR

EPA Category: Extractable Organics

Analysis Performed: EPA 8310; Polynuclear Aromatic Hydrocarbons by HPLC.

Analysis Date: 05/12/97

Analyst: VB

	Detection	Laboratory	Analytical
Parameter	Limit	Blank	Result
Acenaphthene	50.	ND	ND
Acenaphthylene	50.	ND	ND
Anthracene	5.	ND	ND
Benzo(a)anthracene	0.5	ND	3.4
Benzo(a)pyrene	2.	ND	5.
Benzo(b)fluoranthene	0.5	ND	7.6
Benzo(g,h,i)perylene	2.	ND	8.
Benzo(k)fluoranthene	0.5	ND	2.5
Chrysene	5.	ND	ND
Dibenzo(a,h)anthracene	2.	ND	ND
Fluoranthene	<b>5.</b>	ND	10
Fluorene	25.	ND	ND
Indeno(1,2,3-cd)pyrene	2.5	ND	ND
Naphthalene	25.	ND	ND
Phenanthrene	25.	ND	ND
Pyrene	5.	ND	9.

Results expressed as  $\mu g/l$  unless otherwise noted.

ND means none detected at or above the detection limit listed.

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Facility Name/Location if different)  NAME  KODI	DEDS TAIDLISTE	RIES, INC.	DISCHA	LUTANT DISC ARGE MOI (2-16)	NITORING REPO	system (NPDES RT (DMR) (17-19)	)					
ADDRESS 7540 NW ST. HELENS RD PORTLAND, OR 97210			10100	<del></del>	Disc	OO1 HARGE NUMBER	3077-J Form Approved.  47430 OMB No. 2040-0004  Approval expires 10-31-94					
FACILITY NORTWEST TERMINA	<u>r</u>	- <del></del>	- YEAR		TORING PERIC	MO DAY						
LOCATION MULTNOMAH CO.			_ FROM 97	04 0	1 70 97	04 30 28-29) (30-31)	NOTE: Read in:	structions befor	actions before completing this form.			
PARAMETER		(3 Card Only) QU (46-53)	IANTITY OR LOADIN (54-61)		(4 Card Only) (38-45)		CONCENTRATION (54-61)		NO.	FREQUENCY OF ANALYSIS	SAMPLE	
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUN	4 UNITS	(62-63)	(64-68)	(69-70)	
	SAMPLE MEASUREMENT	14,667		GPD				:	N/A	12/30	EST.	
FLOW	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT				54	57	59	<sub>F</sub> o	0	12/30	GRAB	
TEMP	PERMIT REQUIREMENT				N/A	N/A	N/A					
	SAMPLE MEASUREMENT				6.9	7.0	7.1	SU	0	12/30	GRAB	
pH	PERMIT REQUIREMENT				6.0	N/A	9.0					
	SAMPLE MEASUREMENT	·			N.D.	1.6	3.8	mg/L	0	12/30	GRAB	
OIL & GREASE	PERMIT REQUIREMENT				N/A	10	15				4.5	
·	SAMPLE MEASUREMENT				N.D.	.08	.17	mg/L	0	12/30	GRAB	
PHENOLS	PERMIT REQUIREMENT				N/A	.5	.7					
	SAMPLE MEASUREMENT										,	
	PERMIT: REQUIREMENT				project description	÷			1.		1	
	SAMPLE MEASUREMENT						:			· · · · · · · · · · · · · · · · · · ·		
	PERMIT REQUIREMENT					d						
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	M FAMILIAR WITH THE	OF LAW THAT I HAVE P	D HEREIN; AN	ID BASED			TELEPHON	Ε	<del></del>	ATE:	
R.D. COLLINS, V.P.	OBTAIN TRUE, SIGNIFIC THE PO	ING THE INFORMATION ACCURATE AND CO CANT PENALTIES FOR DSSIBILITY OF FINE AN	INDIVIDUALS IMMEDIATES I BELIEVE THE SUBMI MPLETE, I AM AWARE SUBMITTING FALSE INF ID IMPRISONMENT. SEE	TTED INFORM THAT THE TORMATION, IN 18 U.S.C. § 10	MATION IS ERE ARE NCLUDING OO1 AND		, Plt. Mgr.	503 286	3681	97   0		
TYPED OR PRINTED	33 U.S	.C. § 1319. (Penalties	under these statutes ma nment of between 6 months	v include fin	nes up to	ER OR AUTHOR		AREA NUMB	ER	YEAR N	10 DAY	
COMMENT AND EXPLANATION OF AN	Y VIOLATIONS (R	eference all attachment	s here)			•					:	

## Columbia Inspection, Inc.

Member of ASTM & API
U.S. Customs Commercial Gauger and Laboratory

April 18, 1997

L970418A.KII

RECEIVED

Mr. Amos Kamerer Koppers Industries, Inc. 7540 NW St. Helens Road Portland, OR 97210-3663

APR 2 1 1997

KOPPERS INDS., INC. PORTLAND. OR

RE: The PAH Analysis of Wastewater Tanks 1,3,5 (03/06/97)

From the office at . .

- PORTLAND
   7133 N. Lombard St.
   P.O. Box 83569 St. Johns Sta.
   Portland, OR 97283-0569
   503-286-9464
   FAX 503-285-7831
  - TACOMA 4901 E. 20 Street Fife, WA 98424 206-922-8781 FAX 206-922-8957
- SAN FRANCISCO 613 Escobar Street Martinez, CA 94553 510-229-0360 FAX 510-229-2821
- US ANGELES
  790 Basin St., Unit #2
  San Pedro, CA 90731
  310-833-1557
  FAX 310-833-1585

### Dear Amos:

As per your request, I have again reviewed the PAH test which yielded total toxic organic levels of 1.6 mg/L (1,600 ppb) in order to validate whether or not your discharge was, indeed, out of compliance. The following is the result of my review.

- 1. The sample bottle provided for sample collection was a bottle that had been washed with a hot alkaline detergent, rinsed numerous times with deionized water. The bottle was also solvent rinsed three times to remove organic residue. Other bottles washed at that time were used by other clients for PAH analysis with results in the low parts-per-billion or "none detected" range. This tends to suggest that the bottle was suitably clean prior to sample collection.
- 2. The extraction blank which accompanied this test showed "none detected" for all parameters. The sample's extract was especially dirty for a sample of this nature. The sample extract concentration step took the initial sample volume of 950mLs down to 1.0 mLs, nearly a thousand-fold concentration.
- 3. Unlike most routine samples, this sample showed "hits" for every parameter on the PAH list. The analyst was questioned about the possibility that he had accidentally spike the sample with standard instead of surrogate solution. He said this wasn't the case. He also suggested that if such a mistake had been made, the levels found for all parameters would have been close to a given concentration.
- 4. The calibration standards for this test yielded essentially the same integration counts as found with other analyses. The counts obtained for the Koppers sample yield "ppm" results in the 1-500 ppm range for nearly all parameters. These ppm results were then corrected for the 950-fold concentration which essentially converts ppm results to ppb results. Thus, we reported results in the 1-500 ppb range. The surrogate recovery was 94% which validates the data.

All results can be justified and point to a total PAH content over 1000 ppb. Please feel free to call me should you have any questions or concerns.

Sincerely,

Richard D. Reid Laboratory Director

1997,04-07





## *DELIVER IMMEDIATELY!!*

412 227 2423

To: Amos Kamerer or TJ!

Koppers Industries, Inc.

503-285-2831 Fax #:

> Re: Quarterly PAH Analyses

April 7, 1997 Date:

Pages: 1, including cover sheet.

Dear Amos or TJ:

I have reviewed previous quarterly PAH analyses from Coffey Labs. In most instances the concentration units for PAHs are expressed in ug/L. In all cases the results totaled significantly less than 1,000 ug/L which is the compliance level.

Once in a while, for some unknown reason, the lab report indicates that the results were in mg/L. Since I mg/L is equivalent to 1,000 ug/L, any number above I would exceed the permit limitations. When the lab was apprised of this in the past, they admitted to a slip up in the designation. You need to check with them again this time. I doubt that the waste water that is discharged from the holding tanks is greater than 100 ug/L of total PAHs.

I understand that you have elected to change laboratories because of convenience. I don't have any problem with changing labs; however, it is customary to compare analyses of duplicate samples for a few quarters before you make the switch just to be sure that the results are essentially the same. You should call the lab and inquire about the latest analysis.

So that I may check this out more thoroughly, please send me the all of the quarterly PAH analyses for 1995 and 1996. Also send me the one for the first quarter of 1997. Fax these to my office before 3:00 pm EDT.

Since both of us are travelling this week, leave me a message on my phone mail or get Marie to track me down. I may ask Nate Prepelka to follow up on this while I am travelling.

Regards. WES

cc: N. J. Prepelka; K-1800

From .....

William E. Swearingen Manager, Environmental Programs Koppers Industries, Inc. 436 Seventh Avenue; K-1800 Pittsburgh, PA 15219-1800

> Tel: 412-227-2883 Fax: 412-227-2423



Koppers Industry

Job Number: 950202U Page Number: 3 of 3

Lab Sample ID: 950202U-2

Field ID: WWT 2/4 Composite

Date/Time: 02/02/95 1200 Matrix: Waste Water

Analysis Performed: Polynuclear Aromatic Hydrocarbons in waste water by EPA Method 8310, HPLC.

	Detection	Analytical
Compound	Limit	Results
Acenaphthene	500	ND
Acenaphthylene	500	ND
Anthracene	100	ND
Benzo(a)anthracene	15	45
Benzo(b)fluoranthene	20	58
Benzo(k)fluoranthene	15	38
Benzo(g,h,i)perylene	15	38
Benzo(a)pyrene	15	43
Chrysene	20	22
Dibenzo(a,h)anthracene	15	ND
Fluoranthene	100	ND
Fluorene	200	ND
Indeno(1,2,3-c,d)pyrene	20	25
Naphthalene	500	ND
Phenanthrene	200	ND
Pyrene	200	ND
		269

Results expressed as  $\mu g/L$  unless otherwise noted.

ND means none detected at or above the detection limit listed.



Koppers Industry

Job Number: 950511BL Page Number: 2 of 2

Lab Sample ID: 950511BL-1

Field ID: W.W.T. 2,4,6 Date/Time: 05/11/95 1400 Matrix: Waste Water

EPA Category: Conventional Parameters

		Detection	Analytical		Analysis	
Parameter	Method	<u>Limit</u>	Result	Units	Date	Analyst
Oil & Grease	EPA 413.1	3.	5.	mg/L	05/12/95	JAG
Total Phenols	EPA 420.1	0.05	ND	mg/L	05/12/95	SVS

EPA Category: Not Applicable

		Detection	Analytical		Analysis	
Parameter	Method	Limit	Result	Units	Date	Analyst
Acenaphthene	EPA 8310	30.	ND	μg/L	05/16/95	DJM
Acenaphthylene	EPA 8310	30.	ND	μg/L	05/16/95	DJM
Anthracene	EPA 8310	10.	ND	$\mu g/L$	05/16/95	DJM
Benzo(a)anthracene	EPA 8310	1.	2.	μg/L	05/16/95	DJM
Benzo(b)fluoranthene	EPA 8310	2.	4.	$\mu$ g/L	05/16/95	DJM
Benzo(k)fluoranthene	EPA 8310	1.	2.	$\mu$ g/L	05/16/95	DJM
Benzo(g,h,i)perylene	EPA 8310	3.	ND	$\mu$ g/L	05/16/95	DJM
Benzo(a)pyrene	EPA 8310	1.5	2.	μg/L	05/16/95	DJM
Chrysene	EPA 8310	3.	ND	$\mu g/L$	05/16/95	DJM
Dibenzo(a,h)anthracene	EPA 8310	3.	ND	$\mu$ g/L	05/16/95	DJM
Fluoranthene	EPA 8310	5.	ND	$\mu g/L$	05/16/95	DJM
Fluorene	EPA 8310	20.	ND	$\mu g/L$	05/16/95	DJM
Indeno(1,2,3-cd)pyrene	EPA 8310	3.	ND	μg/L	05/16/95	DJM
Naphthalene	EPA 8310	30.	ND	μg/L	05/16/95	DJM
Phenanthrene	EPA 8310	10.	ND	μg/L	05/16/95	DJM
Pyrene	EPA 8310	10.	ND	μg/L	05/16/95	DJM

ND means none detected at or above the detection limit listed.

PRO



Koppers Industry

Job Number: 950804BK Page Number: 2 of 2

Lab Sample ID: 950804BK-1

Field ID: WWT 1-3-5 Date/Time: 08/04/95 1400 Matrix: Waste Water

EPA Category: Conventional Parameters

		Detection	Analytical		Analysis	
Parameter	Method	Limit	Result	Units	Date	Analyst
Oil & Grease	EPA 413.1	3.	ND	mg/L	08/11/95	SSS
Total Phenois	EPA 420.1	0.05	ND	mg/L	08/09/95	PDB

EPA Category: Extractable Organics

		Detection	Analytical		Analysis	
Parameter	Method	Limit	Result	Units	Date	Analyst
Acenaphthene	EPA 8310	25.	ND	$\mu g/L$	08/09/95	DJM
Acenaphthylene	EPA 8310	25.	ND	$\mu \mathrm{g}/\mathrm{L}$	08/09/95	DJM
Anthracene	EPA 8310	5.	ND	$\mu g/L$	08/09/95	DJM
Benzo(a)anthracene	EPA 8310	0.25	ND	$\mu g/L$	08/09/95	DJM
Benzo(b)fluoranthene	EPA 8310	0.5	ND	$\mu g/L$	08/09/95	DJM
Benzo(k)fluoranthene	EPA 8310	0.25	ND	$\mu \mathrm{g/L}$	08/09/95	DJM
Benzo(g,h,i)perylene	EPA 8310	0.5	ND	$\mu { m g/L}$	08/09/95	DJM
Benzo(a)pyrene	EPA 8310	0.25	ND	μg/L	08/09/95	DJM
Chrysene	EPA 8310	2.5	ND	$\mu g/L$	08/09/95	DJM
Dibenzo(a,h)anthracene	EPA 8310	0.5	ND	μg/L	08/09/95	DJM
Fluoranthene	EPA 8310	2.5	ND	$\mu g/L$	08/09/95	DJM
Fluorene	EPA 8310	2.5	ND	μg/L	08/09/95	DJM
Indeno(1,2,3-cd)pyrene	EPA 8310	1.25	ND	μg/L	08/09/95	DJM
Naphthalene	EPA 8310	25.	ND	μg/L	08/09/95	DJM
Phenanthrene	EPA 8310	5.	ND	μg/L	08/09/95	DJM
Pyrene	EPA 8310	2.5	ND	μg/L	. 08/09/95	DJM

ND means none detected at or above the detection limit listed.



Koppers Industry

Job Number: 951211AO

Page Number: 4 of 4

Lab Sample ID: 951211AO-2 Field ID: WWT 1-3-5

Date/Time: 12/11/95 1430 Matrix: Waste Water

EPA Category: Extractable Organics

Analysis Performed: EPA 8310; Polynuclear Aromatic Hydrocarbons by HPLC.

Analysis Date: 12/13/95 Analyst: DJM

	Detection	Laboratory	Analytical
Parameter_	Limit	Blank	Result
Acenaphthene	150.	ND	ND
Acenaphthylene	150.	ND	ND
Anthracene	30.	ND	ND
Benzo(a)anthracene	1.5	ND	7.
Benzo(b)fluoranthene	1.5	ND	9.
Benzo(k)fluoranthene	0.75	ND	5.7
Benzo(g,h,i)perylene	4.5	ND	ND
Benzo(a)pyrene	1.5	ND	12.
Chrysene	15.	ND	ND
Dibenzo(a,h)anthracene	4.5	ND	ND
Fluoranthene	15.	ND	ND
Fluorene	60.	ND	ND
Indeno(1,2,3-cd)pyrene	7.5	ND	ND
Naphthalene	150.	ND	ND
Phenanthrene	40.	ND	ND
Pyrene	30.	ND	ND

Results expressed as  $\mu g/l$  unless otherwise noted.

ND means none detected at or above the detection limit listed.



Koppers Industry

Job Number: 961203V

Page Number: 3 of 4

Lab Sample ID: 961203V-1

Field ID: Wastewater Tanks 1,3 & 5

Date/Time: 12/03/96 0800 Matrix: Waste Water

EPA Category: Extractable Organics

Analysis Performed: EPA 8310; Polynuclear Aromatic Hydrocarbons by HPLC.

Analysis Date: 12/23/96 Analyst: VB

	Detection	Laboratory	Analytical
Parameter	<u>Limit</u>	Blank	<u>Result</u>
Acenaphthene	10.	ND	ND
Acenaphthylene	10.	ND	ND
Anthracene	1.	ND	ND
Benzo(a)anthracene	0.1	ND	4.0
Benzo(a)pyrene	0.4	ND	11.
Benzo(b)fluoranthene	0.1	ND	19.
Benzo(g,h,i)perylene	0.4	ND	6.4
Benzo(k)fluoranthene	0.1	ND	15.
Chrysene	1.	ND	7.
Dibenzo(a,h)anthracene	0.4	ND	1.7
Fluoranthene	1.	ND	15.
Fluorene	5.	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	ND	7.3
Naphthalene	5.	ND	ND
Phenanthrene	1.	ND	ND
Pyrene	1.	ND	15.
			72.

Results expressed as mg/l unless otherwise noted.

ND means none detected at or above the detection limit listed.

## RECEIVED

JAN - 2 1997

KOPPERS INDS., INC. PORTLAND, OR

PERMITTEE Facility Nami NAME	NAME/ADDRESS (Include ne/Location if different)		ndvat	ries Inc.		DISCH	LUTANT DISC ARGE MO (2-16)	HARGE EI NITORIN	LIMINATION IG REPO	SYSTEM (NPI RT (DMR) (17-19)	)ES)						
ADDRESS	7540 NW St . He	lens Rd.				10100				001	7		Fo	rm Approv	ed.		
	Portland, OR 9				·		IT NUMBER		DISC	HARGE NUMBER	7		OMB No. 2040-0004				•
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FACILITY	Northwest_Plan					YEAR	MO D		YEAR	MO DAY		3077 <b>–</b> J		400			
LOCATION	Multnomah Coun	ty			FROM	96	07 0	TA	96	07 31	٦ `	3077–J	474	430			
						(20-21)	(22-23) (24	<u> </u>		28-29) (30-31	<u>,                                    </u>	IOTE: Read in	nstruct	ons befor	e com	oleting thi	s form.
	PARAMETER (32-37)			(3 Card Only) Q1 (46-53)	UANTITY OR (54-6)		iG	(4 Card (38	Only) 8-45)	QUALITY 0 (46-5.)		CENTRATION (54-61)			NO.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	(32-37)			AVERAGE	MAXIM	NUM	UNITS	MIN	NIMUM	AVERA	GE	MAXIMU	M	UNITS	(62-63)	(64-68)	(69-70)
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NAME/TITL	E PRINCIPAL EXECUTIV	E OFFICER	AND AM	Y UNDER PENALTY FAMILIAR WITH THE	INFORMATION	SUBMITTE	D HEREIN: AN	D BASED					<u>_</u>	ELEPHONE	E	D A	TE
R.D. Co	ollins, V.P.		ON MY OBTAININ TRUE, A SIGNIFICA THE POS	INQUIRY OF THOSE IG THE INFORMATION ACCURATE AND CO ANT PENALTIES FOR SSIBILITY OF FINE AI TO BE 1319 (Penalties)	INDIVIDUALS II N. I BELIEVE TH DMPLETE. I AN N SUBMITTING F ND IMPRISONME HINDER SIE	MMEDIATEI HE SUBMI M AWARE FALSE INF INT. SEE	LY RESPONSITTED INFORME THAT THE FORMATION, III 18 U.S.C. § 1	BLE FOR IATION IS ERE ARE ICLUDING OOT AND		JRE OF PRIN	CIPAL	Plt. Mg	503	286-3	681	96 0	9 03
	TYPED OR PRINTED		\$10,000 a	nd or maximum imprise	nment of between	n 6 months	and 5 years.)	ics up to	LOFFIC	ER OR AUT	HORIZE	D AGENT	AREA	NUMB	ER		O DAY
COMMENT A	ND EXPLANATION OF A	NY VIOLATIC	NS (Rel	ference all attachmen	ts here)							CORREC	ر – ا	NE EAL	647	CO 04 =	

Nothing to Report

JULY REPORT IN AUGUST.

PAGE 1 OF 1



Koppers Industry

Job Number: 960425B Page Number: 4 of 4

Lab Sample ID: 960425B-2

Field ID: WW 2,4,6 Date/Time: 04/25/96 0730 Matrix: Waste Water

EPA Category: Extractable Organics

Analysis Performed: EPA 8310; Polynuclear Aromatic Hydrocarbons by HPLC.

Analysis Date: 04/25/96 Analyst: DJM

	Detection	Laboratory	Analytical
Parameter	Limit	Blank	Result
Acenaphthene	25.	ND	ND
Acenaphthylene	25.	ND	ND
Anthracene	5.	ND	ND
Benzo(a)anthracene	0.5	ND	19.
Benzo(a)pyrene	1.	ND	21.
Benzo(b)fluoranthene	0.5	ND	23.
Benzo(g,h,i)perylene	1.	ND	16.
Benzo(k)fluoranthene	0.5	ND	17.
Chrysene	5.	ND	20.
Dibenzo(a,h)anthracene	2.5	ND	4.
Fluoranthene	5.	ND	18.
Fluorene	25.	ND	ND
Indeno(1,2,3-cd)pyrene	2.5	ND	13.
Naphthalene	25.	ND	ND
Phenanthrene	5.	ND	7.
Pyrene .	5.	ND	29.
Results expressed as ug/l unless otherwise noted			187

Results expressed as  $\mu g/l$  unless otherwise noted.

ND means none detected at or above the detection limit listed.

## RECEIVED

MAY 3 1996

KOPPERS AND JINC. PORTLAND, OR



Koppers Industry

Job Number: 960115C

Page Number: 3 of 3

Lab Sample ID: 960115C-1

Field ID: WW 1,3,5 Date/Time: 01/15/96 0800 Matrix: Waste Water

EPA Category: Extractable Organics

Analysis Performed: EPA 8310; Polynuclear Aromatic Hydrocarbons by HPLC.

Analysis Date: 01/15/96 Analyst: DJM

	Detection	Laboratory	Analytical
Parameter	<u>Limit</u>	Blank	Result
Acenaphthene	6.	ND	21.
Acenaphthylene	6.	ND	ND
Anthracene	6.	ND	ND
Benzo(a)anthracene	0.12	ND	5.4
Benzo(b)fluoranthene	0.12	ND	8.0
Benzo(k)fluoranthene	0.06	ND	2.9
Benzo(g,h,i)perylene	0.36	ND	3.3
Benzo(a)pyrene	0.12	ND	4.1
Chrysene	0.6	ND	2.9
Dibenzo(a,h)anthracene	0.36	ND	3.5
Fluoranthene	0.6	ND	5.2
Fluorene	45.	ND	ND
Indeno(1,2,3-cd)pyrene	0.6	ND	3.2
Naphthalene	6.	ND	ND
Phenanthrene	6.	ND	ND
Pyrene	2.4	ND	ND

Results expressed as  $\mu g/l$  unless otherwise noted.

ND means none detected at or above the detection limit listed.

## RECEIVED

JAN 22 1996

KOPPERS INDS., INC. PORTLAND, OF

Coffey Laboratories, Inc.



# CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC. 7540 NW ST. HELENS ROAD

PORTLAND OR 97210-3663

PHONE: (503) 286-3681 FAX: (503) 285-2831

DATE SUBMITTED: 03/06/97

PO#:

PROJECT NAME: WASTE WATER TANKS 1-3-5

CI SAMPLE # CI	LIENTS ID#	DATE	TIME	DESCRIPTION	
970317-001-01		03/06/97	0800	WASTE WATER GRAB SAMPLE	
970317-001-02		03/06/97	0800	WASTE WATER GRAB SAMPLE	
970317-001-03		03/06/97	0800	WASTE WATER GRAB SAMPLE	

REPORT DA	TE: 03/13/97	report nun		PAGE: 1 OF 2		
SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
970317-001-01	1 0&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	5.1	PPM	2	Dick R.
970317-001-02	2 PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.051	PPM	0.05	Dick R.
970317-001-0	EPA 8270M (SIM)	ACENAPHTHENE ACENAPHTHYLENE ANTHRACENE BENZO(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(GHI)PERYLENE	9.1 1.0 13 450 250 24 230	PPB PPB PPB PPB PPB PPB	0.05 0.05 0.05 0.05 0.5 0.5	Jacob F.
RE	CEIVED	)				

- 3 1997

KOPPERS INDO. INC. PORTLAND OR

REVIEWED BY:

Columbia Inspection, Inc. 7133 N Lombard St. - Portland, OR 97203 (503) 286-9464 Fax (503) 286-5355

## **CERTIFICATE OF ANALYSIS**

REPORT D	DATE: 03/13/97	REPORT N		PAGE: 2 OF 2		
			··-		DETECTION	
SAMPLE	TEST	PARAMETER	RESULT	UNIT	LIMIT	ANALYST
970317-001-	-03 PNAH 1	BENZO(K)FLUORANTHENE	200	PPB	0.5	Jacob F.
	EPA 8270M (SIM)	CHRYSENE	55	PPB	0.05	
		DIBENZO(AH)ANTHRACENE	57	PPB	0.5	
		FLUORANTHENE	130	PPB	0.05	
		FLUORENE	8.5	PPB	0.05	•
		INDENO(1,2,3-CD)PYRENE	57	PPB	0.5	
		NAPTHALENE	0.96	PPB	0.05	
		PHENANTHRENE	58	PPB	0.05	
•		PYRENE	110	PPB	0.05	
		SURROGATE	94%	%RECOVERY	50%-150%	



. FR - 3 1997

KOPPERSINDS...INC. PORTLAND, OR

ADDRESS 7540 NW St. Helens Rd Portland, OR 97210				T NUMBER		OI HARGE NUMBER	3077 <b>-</b> J	Form Approv OMB No. 204 Approval exp	0-0004	
ACILITY NW Plant				MO DAY 09 01	TO 96	MO DAY 09 30	47430	structions before		
PARAMETER		(3 Card Only) QU. (46-53)	(20-21) ( ANTITY OR LOADING (54-61)	(4	(26-27) ( Curd Only) (38-45)	28-29) (30-31) QUALITY OR C (46-53)	ONCENTRATION (54-61)	structions before	NO. FREQUENCE OF ANAL	
(.1217)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMU	M UNITS	(62-63) (64-6	1 1
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	SAMPLE MEASUREMENT									
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NAME/TITLE PRINCIPAL EXECUT	IVE OFFICER I CERTIF	FY UNDER PENALTY OF	F LAW THAT I HAVE PE	RSONALLY EXAM HEREIN: AND BA	INED ASED	4		TELEPHONE		DATE
R.D. Collins, VP	ON MY OBTAINII TRUE. SIGNFIC THE PO	INQUIRY OF THOSE NG THE INFORMATION. ACCURATE AND CON ANT PENALTIES FOR SSIBILITY OF FINE ANI	- LAW THAT I HAVE PE NFORMATION SUBMITTED INDIVIDUALS IMMEDIATEL' I BELIEVE THE SUBMIT IPLETE. I AM AWARE SUBMITTING FALSE INFO D IMPRISONMENT. SEE II	Y RESPONSIBLE TED INFORMATIO THAT THERE DRMATION, INCLU 8 U.S.C. \$ 1001	FOR N IS ARE DING AND	S. Kamere	r. Plt Mgr	503 <sub>2</sub> 86 <b>-</b> 36	81 96	10 02
TYPED OR PRINTED		C. § 1319. (Penalties and or maximum imprison	under these statutes may ment of between 6 months a	include fines u ind 5 years.)	ρ (υ ØFFIC	ER OR AUTHOR	L	AREA NUMBE	R YEAR	MO DAY
OMMENT AND EXPLANATION OF	here)									

(2-16) (17-19)

Nothing to Report

NAME Koppers Industries, Inc.

1.11

Facility Name/Location if different)  NAME Koppers Industries, Inc.  ADDRESS 7540 NW St. Helens Rd.		DISCH	LUTANT DISC. ARGE MOI (2-16)	HARGE ELIMINATION NITORING REPO	i system ( <i>NPDES</i> DRT { DMR) (17-19)	•				
ADDRESS 7540 NW S	St. Helens Rd.		10100		0	01	F	orm Approved.		
	OR 97210			MIT NUMBER		CHARGE NUMBER	. (	OMB No. 2040-0	004	
			_				,	Approval expires	10-31-94	
FACILITY		, , ,			ORING PERI		3077 <b>-</b> J /	47430		
LOCATION			FROM OC	08 O	— TA ———	MO DAY	5077 6 7	47430		
			- FROM 96 (20-21)			08 31 (28-29) (30-31)	NOTE: Read instruc	tions before co	mpleting this	form.
			JANTITY OR LOADIN		(4 Card Only)	QUALITY OR C	ONCENTRATION	· · · · · · · · · · · · · · · · · · ·	· i	
PARAMETER (32-37)		(46-53)	(54-61)	<del>r</del>	(38-45)	(46-53)	(54-61)	NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS (62-6.	1	(69-70)
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	M NO	Y INQUIRY OF THOSE	INFORMATION SUBMITTE INDIVIDUALS IMMEDIATE I. I BELIEVE THE SUBM	LY RESPONSIE	BILE FOR ATION IS	m				
R.D. Collins, V.	D TRUE,	ACCURATE AND CO	MPLETE. I AM AWAR SUBMITTING FALSE IN	E THAT THE	RE ARE	S. Kamerer	Plt. Mgr 503	1206 2003	06 -	
	33 U	S.C. 🖟 1319. (Penalties	O IMPRISONMENT. SEE under these statutes in	ay include fine	SIGNAT	URE OF PRINCIP	PAL EXECUTIVE DUS		96 0	
TYPED OR PRINT	· <del></del>		nment of between 6 month	s and 5 years.)	OFFI	CER OR AUTHOR	RIZED AGENT COD	NUMBER	YEAR M	O DAY
COMMENT AND EXPLANATION	OF ANT VIOLATIONS (A	COLORDO AN AMACHMEN	s note)	•						•

Nothing to Report

NAME ROPPERS IN ADDRESS 7540 NW ST.	ermittee name/address (include acility Name/Lucation if different) AME KOPPERS INDUSTRIES, INC. DDRESS 7540 NW ST. HELENS RD. PORTLAND, OR 97210			ARGE MO (2-16) 03	NITORING RI	TION SYSTEM (NPD) EPORT (DMR) (17-19) OOL	ES)	Form Appro		<b>.</b> .	
PORTLAND, C	DR 9/210		PERM	1IT NUMBER		DISCHARGE NUMBER	<sup>]</sup> 3077 <b>–</b> J	OMB No. 20 Approval ex			
FACILITY Northwest P	Plant DEA #47430	_ <del></del>	_		TORING PE			Approvation	pii oo i	0 01 34	
LOCATION Multnomah C		·	FROM OC	MO DA			47430				
			- FROM <u>96</u>	06 0 (22-23) (24-	I 96		NOTE: Read inst	ructions befo	re com	pleting thi	is form.
			ANTITY OR LOADIN		(4 Card Only)	QUALITY OR	CONCENTRATION		NO.	FREQUENCY	Y SAMBLE
PARAMETER (32-37)	$\rightarrow$	(46-5.3)	(54-61)		(38-45)	(46-53)	(54-61)	UNITS	EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	$\longrightarrow$	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAG	E MAXIMUM	UNIIS	(62-63)	(64-68)	(69-70)
	SAMPLE MEASUREMENT	0									
FLOW	PERMIT REQUIREMENT										
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COMMENT AND EXPLANATION		<u> </u>		, - · · · · · ·			lc	ODE   NOME	, EN	·EAR	-I DAT

Nothing to Report

PERMITTEE Facility Nam NAME ADDRESS				101003	RGE MOI 1-16)	NITORING	REPOR	BYSTEM (NPDE RT (DMR) (17-19)	3077	7 <b>–</b> J		rm Approv			· ·		
	PORTGAND, OR 972			_	PERMIT	NUMBER		DISC	ARGE NUMBER				/IB No. 20/				
FACILITY	NORTHWEST TERMIN	JAT				MONIT	ORING	PERIO	D	474	130	Aþ	provai ext	olies i	0-31-94		
LOCATION	MULTNOMAH CO.		<del></del>	— FROM		MO DA			MO DAY			•					
					9/ [	03 03 22-23) (24-			03 31 28-29) (30-31)	NOTI	E: Read in	structi	ons befor	e com	pleting th	is for	m.
	<u> </u>			UANTITY OR	LOADING		(4 Card O	nly)	QUALITY OR		TRATION			T			
	PARAMETER (32-37)	$\rightarrow$	(46-53)	(54-6			(38-		(46-53)	<del>1</del>	(54-61)	—		NO.	FREQUENCY OF ANALYSIS	3	MPLE
	(52 51)		AVERAGE	MAXIN	мим	UNITS	MINI	MUM	AVERAG	E	MAXIMU	М	UNITS	(62-63)	(64-68)	(	69-70)
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NAME/TITL	E PRINCIPAL EXECUTIVE	AND	RTIFY UNDER PENALTY AM FAMILIAR WITH THE	INFORMATION	SUBMITTED	HEREIN; ANI	D BASED					Т	ELEPHON	E	D	ATE	
R.D.	COLLINS, V.P.	ON OBTAINED SIGN	MY INQUIRY OF THOSE  INING THE INFORMATIO  E. ACCURATE AND C  IFICANT PENALTIES FOI  POSSIBILITY OF FIRE A	E INDIVIDUALS  N. I BELIEVE T  OMPLETE. I A  R SUBMITTING  ND IMPRISONME	IMMEDIATELY THE SUBMITT AM AWARE FALSE INFOR	RESPONSIE ED INFORM, THAT THE RMATION, IN	BLE FOR ATION IS RE ARE ICLUDING	Amos I	amerer,			503-	-286-36 	581	97 0	)4	17
	TYPED OR PRINTED	\$10,0	U.S.C. § 1319. (Penaltie 00 and or maximum impris	s under these sonment of betwee	statutes may en 6 months an	include find nd 5 years.)	s up to		ER OR AUTHO			AREA	NUMB	ER	YEAR I	чо	DAY
COMMENT A	ND EXPLANATION OF AN	Y VIOLATIONS	Reference all attachmen	its here)						<del>-</del>		,			<u>-</u> -		

first quarter PAH test results are attached, SEE LETTER ATTACHED

	KOPPERS INDUST	RIES, INC.	NATIO		TANT DISCI RGE MON -16)	HARGE EL NITORIN	MINATION G REPC	SYSTEI ORT ( D (17-1)	m (NPDES) DMR) 9)						
ADDRESS 7540 NW ST. HEI			_ [1	.01003				001		3077 <b>-</b> J	Foi	m Approv	ved.		•
PORTLAND, OR 97	/210		_	PERMIT	NUMBER		DIS	CHARGE	NUMBER			IB No. 20			
NODWITTEGO Dr ANT			_	<u> </u>	MONIT	ORING	PERI	OD.		47430	Ap	proval exp	pires 1	0-31-94	
FACILITY NORTHWEST PLANT	<u></u>				MO DA		YEAR	мо	DAY						
LOCATION MULTNOMAH CO.			_ FROM	97 (	02 0		97	02	28	NOTE: Read in	a a terro de la	ana hafar		nlatina this	o form
		(3 Card Only) QU	ANTITY OR		2-23) (24-2	(4 Card C		(28-29) QUAL	(30-31) LITY OR CO	ONCENTRATION	15tructio	ons belor	e com		1011111
PARAMETER		(46-53)	(54-6)	1)			-45)		(46-53)	(54-61)			NO.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
(32-37)		AVERAGE	MAXIN	мим	UNITS	MIN	IMUM	م	VERAGE	MAXIML	м	UNITS	(62-63)	(64-68)	(69-70)
	SAMPLE MEASUREMENT	7857			GPD								N/A	6/28 16/31	EST.
FLOW	PERMIT REQUIREMENT								9.1						
	SAMPLE MEASUREMENT			·		48	1		50	51		$\circ_{\mathbf{F}}$	0	6/28	GRAB
TEMP.	PERMIT REQUIREMENT														
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PH	PERMIT REQUIREMENT														
	SAMPLE MEASUREMENT					N.	D.		1.5	3.0		MG/L	0	6/28	GRAB
OIL & GREASE	PERMIT REQUIREMENT														
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PHENOLS	PERMIT REQUIREMENT														
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NAME/TITLE PRINCIPAL EXECUTI	AND AM	FY UNDER PENALTY O	INFORMATION	SUBMITTED I	HEREIN; AND	BASED		di			TI	ELEPHON	E	D A	TE
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FOURTH QUARTER PAH RESULTS ARE ATTACHED



#### Department of Environmental Quality

12:12

Northwest Region 2020 SW Fourth Avenue

Suite 400 Portland, OR 97201-4987

(503) 229-5263 Voice TTY (503) 229-5471

KOPPERS INDUSTRIES INC 7540 NW ST HELENS RD PORTLAND OR 97210-3663

Re:

March 6, 2000

AQ - Multnomah Co.

Koppers Industries Inc. File No. 26-2930

FILE PORTLAND-ENV. - AIR PERMIT

Attention: Amos Kamerer, Plant Manager

On February 17, 2000, I and two other inspectors observed emissions from the fume treatment stack near the southern border of your facility. We observed that the emissions from this stack had a strong noxious odor and significant visible emissions nearly continuously. On March 6, 2000, I returned to your facility and again witnessed significant visible emissions coming from the fume treatment stack. According to information submitted by Koppers Industries Inc. during the last permit renewal, this emission point is a source of Hazardous Air Pollutants. We are concerned that the fume control system may not be able to operate in compliance with the requirements of your permit.

We wish to schedule a meeting to discuss this matter some time during the week of March 20 to March 24, 2000. Please let us know your availability as soon as possible. I can be contacted at (503) 229-6736.

Sincerely.

Randall Bailey

Air Quality Permitting

Northwest Region

RECEIVED

MAR - 8 2000

KOPPERS INDS, INC. PORTLAND OR

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#951 P.01/02

KOPPE

Amos Ş. Kamerer Plant Manager

FILE- PORTLAND - BN. - AME PERMAP

Koppers Industries, Inc. 7540 N.W. St. Helens Road Portland, OR 97210-3863

> Telephone: 503-286-3681 Fax: 503-285-2831

June 27, 2002

Oregon Dept. of Environmental Quality Northwest Region 2020 SW Fourth Ave., Suite 400 Portland, Oregon 97201-4987

Ms. Catherine Blaine Air Quality Permit Coordinator

Reference: Renewal of Air Containment Discharge Permit ACDP # 26-2930

Dear Ms. Blaine,

Attached please find the completed AQ101 Answer Sheet for the renewal without changes of our Air Containment Discharge Permit # 26-2930. We would also like to reference, as a part of this renewal, the open Notice of Intent to Construct #018175, that we feel is a part of the existing ACDP.

If you have any questions, I can be reached at #503-286-3681 or via e-mail at kamereras@koppers.com

Sincerel

nos S. Kamerer Cc: J. Dietz, KII T. Self, KII

Koppers012896

FROM : KOPPERS INDUSTRIES, INC.

#### **ADMINISTRATIVE INFORMATION**

FOR DEQUSE ONLY	34.5
Permit Number: ##	
Application No: EXT RNW x MOD	
Date Received NEW SM & SM	
Regional Office CheckeNo Amount \$	

1. Company	2. Facility Location
Legal Name:	Name:
Koppers Industries, Inc.	Koppers Industries, Inc.
Mailing Address:	Street Address:
436 Seventh Avenue # 1800	7540 NW Saint Helens Road
City, State, Zip Code:	City, County, Zip Code:
Pittsburgh, PA 15219-1800	Portland, Multmona, OR 97210-3663
3. Site Contact Person	4. Standard Industrial Classification Code(s)
Name: - Amos S. Kamerer	Primary: - 2865
Title: Plant Manager	Secondary:
Phone number: 503-286-3681	
5. Other DEQ Permits	6. Permit Action
NPDES No. 101642	New permit
	X Renewal of an existing permit without changes
	Renewal of an existing permit with changes
	Modification of existing permit

#### 7. Signature

I hereby apply for permission to discharge air contaminants in the State of Oregon, as stated or described in this application, and certify that the information contained in this application and the schedules and exhibits appended hereto, are true and correct to the best of my knowledge and belief.

Amos S. Kamerer	Plant Manager # 503-286-3681
Name of official Printed or Typed)	Title of official and phone number
Shin	June 27, 2002
Signature of official	Date

THE APPLICATION FEE INFORMATION IS SHOWN ON THE NEXT PAGE. SUBMIT TWO COPIES OF THE COMPLETED APPLICATION TO THE DEPARTMENT BUSINESS OFFICE ALONG WITH THE FEES. MAKE CHECKS PAYABLE TO DEQ.

Oregon Department of Environmental Quality
Business Office
811 SW SIXTH AVENUE
Portland, OR 97204



PILE PORTLAND

Koppers Industries, Inc. 436 Seventh Avenue Pittsburgh, PA 15219-1800-

Telephone:

(412) 227-2001

Fax: (412) 227-2423

March 10, 1999

#### VIA FACSIMILE (503-229-5265) AND UPS NEXT DAY AIR

Oregon Department Of Environmental Quality Northwest Region 2020 SW Fourth Avenue Suite 400 Portland, OR 97201-4987

Attention: Kathy Amidon

RE: Koppers Industries, Inc. - Portland Terminal

**Public Notice-Comments** 

Proposed Air Permit Application No. 26-2930

Multnomah County

Dear Ms. Amidon:

Koppers Industries, Inc. (KII) respectively submits the following comments/clarifications for the proposed air contaminant discharge permit for the Portland Terminal.

KII proposed a phased approach to modifying conditions at the Portland Terminal. As part of the application process, calculated emissions were submitted for existing, Phase I and Phase II conditions. KII intends only to proceed with Phase II if business conditions require an additional storage tank (T-210). If this tank is required then KII will install a fume combustion system.

The Portland Terminal facility presently consists of the following units:

- 1. 21MM BTU Atlas Boiler
- 2. 8MM BTU Hot oil heater
- Fume Recovery System
- Tanks 33 and 67

The proposed system in Phase I will consist of:

- 1. 21MM BTU Atlas Boiler
- 10MM BTU hot oil heater(new)
- 8 MM BTU hot oil heater
- 4. Fume Recovery system

5. Tank 200 (new), T-33, T-67

Phase II- implemented based on business conditions will consist of in addition to the units listed for Phase I:

- 6. Tank 210 (new)
- 7. Fume combustion system

#### **Public Notice**

#### Special Permit Conditions:

- 1. The 8MM Btu/hour heater should be a 10MM Btu/hour heater.
- KII requests a permit condition stating that Phase II of the project may be implemented based on business conditions. If Phase II is implemented then the fume combustion system may be installed.

#### Air Contaminant Discharge Permit Application Review Report:

General Background Information- Page 1 of 4

Paragraph 3. -The statement that "gaseous emissions from the tanks will be ducted to the hot oil heater for incineration. Installation of a heated pipeline and two liquid pitch storage tanks is planned within the next two years" is incorrect. The sentence should read "gaseous emissions from the tanks will be ducted to the fume recovery system. Installation of a heated pipeline and a liquid pitch storage tank is planned within the next two years. "

Page 2 of 4 Number 5-Air Contaminant sources at the facility for the coming permit period are:

Koppers Industries, Inc. requests the table be amended to reflect that the boilers and both heaters are capable of both oil and gas firing.

The production rate of the pitch/oil transfer system should be 150,000 ton/yr. instead of 150,000 gal/yr.

The fume recovery system is presently in operation and will continue to operate. It should be added to the table.

The table has been modified to incorporate the requested changes described above.

Page 3 March 10, 1999

Equipment	MFG/Model	Capacity/ Prod. Rate	SCC*	Installed/modified
Oil/gas-fired boiler	N. American	21 MM Btu/hr	3-06-001-03	1965
Oil/Gas-fired heater	N. American	8 MM BTU/hr	3-06-001-02	1990
Oil/Gas-fired heater	N. American	10 MM Btu/hr		1999
Pitch/oil transfer System	N/A	150,000 ton/yr.		1965 inst. 1999 modified
Fume recovery system	N/A	150,000 ton/yr.		1987

#### Hazardous Air Pollutants (HAPS)- Page 2 of 4

Number 6, Fourth sentence states "The current fume recovery system will be changed to a fume combustion system by feeding the HAP emissions collected by the fume recovery system through the facility's boiler for incineration." The sentence should read "If business conditions warrant implementation of Phase II, the current fume recovery system may be changed to a fume combustion system by feeding the emissions collected through the fume combustion unit."

Proposed Plant Site Emission Limit- Page 3 of 4

Number 10. Reads "throughput of pencil pitch is expected to be 70,000 gallons per year, and a maximum of 100 gallons per hour." The correct statement is "Throughput of pitch is expected to be 150,000 tons per year, and a maximum of 562 tons per hour."

Plant Site Emission Detail Sheet

Material Transfer System reads in column labeled fuel usage 70 Thou. Gallons/year and 100 tons. /hour.

Correct material transfer system fuel usage should be 150,000-tons/ year and 562 ton/hr.

● Page 4 March 10, 1999

#### Page 4 of 4

#### Additional requirements

Number 14. Reads: Special Conditions contained in the permit include the requirement to notify the Department upon installation of the 8MM Btu/hr heater, and to make a response to all complainants.

KII requests the following correction:

14. Special conditions contained in the permit include the requirement to notify the Department upon installation of the 10 MM Btu/hr, heater, and to make a response to all complainants.

#### Air contaminant Discharge Permit

Page 1 of 7:

Type of Facility

Standard Industry code for the facility is 2865 and not 4961 as listed.

The boiler at the facility is a 21MM Btu/hour unit as listed in the above table. KII requests the addition of the of the following units to the list of "Sources permitted to Discharge Air Contaminants":

- 1. 21MM BTU Atlas Boiler
- 2. 10MM BTU hot oil heater(new)
- 3. 8 MM BTU hot oil heater
- 4. Fume Recovery system
- 5. Tank 200 (new), T-33, T-67
- 6. Tank 210(new (if required)
- 7. Fume Combustion System (if required)

Reporting Requirements (Page 4, Item 16:)

KII requests that report submittal be made the Department by March 1 of each year for the preceding calendar year. KII requests the additional time in order to submit a thorough report that contains the information requested in item 16. The January 15 date would not allow sufficient time to gather and analyze data to include in a detailed report.

KII appreciates the opportunity to provide comment/clarification on the draft permit and public notice. Thank you for all of your hard work and review of the application and supplements.

If you have any questions please contact Amos Kamerer at (503) 286-3681 or me at (412) 227-2883.

Sincerely,

Traci I. Self

**Environmental Manager** 

cc: Amos Kamerer Jim Dietz Kevin Fitzgerald Steve Smith Bill Meisinger



November 10, 1998

Koppers Industries, Inc. 436 Seventh Avenue Pittsburgh, PA 15219-1800

Telephone:

(412) 227-2001

Fax: (412) 227-2423

#### **VIA UPS NEXT DAY AIR**

Oregon Department Of Environmental Quality Northwest Region 2020 SW Fourth Avenue Suite 400 Portland, OR 97201-4987

Attention: Kathy Amidon

RE: Koppers Industries Inc. - Portland Terminal

**Supplemental Information** Air Permit Application No. 26-2930 **Multnomah County** 

Dear Ms. Amidon:

In response to our telephone conversation, with Amos Kamerer, on November 2, 1998, I am enclosing a revised emission estimate spreadsheet for Phase I. Phase I will consist of addition of a new liquid pitch storage tank (T- 200) and a new 10 MM BTU/Hr hot oil heater. The existing 8.5 MM BTU/HR hot oil heater will be used as a back up unit.

The Portland terminal is presently using natural gas for the boiler and hot oil heater. However, the terminal is operating under an interruptible gas contract. In the event that natural gas becomes unavailable, diesel fuel must be used in the units. The maximum potential emission calculations for existing units and proposed Phase 1 have been revised to reflect use of diesel fuel for a maximum period of 12 weeks.

Because of the variability of business projections and the uncertainty of obtaining a non-interruptible gas supply, Koppers Industries Inc. is requesting Oregon Department Of Environmental Quality (ODEQ) permit the Portland facility based on the maximum potential emission calculations listed for Phase I.

If you have, any questions please contact Amos Kamerer at (503) 286-3681 or me at (412) 227-2883.

Sincerely.

Traci I. Self

**Environmental Manager** 

**Attachments** 

cc: Amos Kamerer Jim Dietz Kevin Fitzgerald Steve Smith

### **Maximum Potential Emissions from Existing Units** Koppers Industries, Inc., Portland Terminal

	Comments	Commodity	NOx	NOx	VOC	Voc	co	CO	SO2	SO2	PM-10	PM-10
Unit			(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr
Atlas Boiler <sup>1</sup>		Gas	2.82	12.33	0.06	0.25	0.70	3.08	0.08	0.33	0.12	0.55
		Oil/Gas	3.00	12.52	0.06	0.22	0.75	3 13	10.65	1131	0.30	1.24
		MAX	3.00	12.52	0.06	0.25	0.75	3:13	10.65	11.31	0.30	1.24
	<u> </u>		-									
Hot Oil Heater(backup unit) <sup>1</sup>		Gas	0.81	3.57	0.04	0.19	0.17	0.75	0.03	0.14	0.04	0.16
		Oil/Gas	1.22	3,97	0.04	0.16	0.31	0.88	4.33	4.60	0.12	0,43
		MAX	1.22	3.97	0.04	0.19	0.31	0.88	4.33	4 60	0.12	0.43
Fume Recovery System 2,3		NA			12.47	21.51						
Tank 33		Heavy Oil			0.12	0.005						
	<u> </u>											
Tank 67	<b></b>	P1/P13 Distillate			0.85	0.035						
Loading Tank 67 to Rail	<b></b>	P1/P13 Distillate			2.46	0.004						
	1											
Fugitives		NA I			0.98	0.568						
Plant Total			4.22	16.49	16.98	22.56	1.06	4.01	14.98	15.91	0.42	1.67

<sup>1</sup> Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.

The fume recovery system receives emissions from the following units: T-68, T-200, railcar loading and tank car loading.
 Hourly and annual VOC emissions from the fume recovery system were calculated using ChemCAD.

## Maximum Potential Emissions, Phase I Koppers Industries, Inc., Portland Terminal

	Comments	Commodity	NOx	NOx	VOC	Voc	CO	CO	SO2	502	PM-10	PM-10
Unit	]		(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr
Atlas Boiler <sup>1</sup>	1	Gas	2.82	12.33	0.06	0.25	0.70	3.08	0.08	0.33	0.12	
		Oil/Gas	3.00	12.52	0.06	0.22	0.75	3.13	10.65	11.31	0.30	1.2
	<del> </del>	MAX	3.00	12.52	0.06	0,25	0.75	3.13	10.65	11.31	0.30	1.2
Hot Oil Heater(backup unit) <sup>1</sup>		Gas	0.81	3.57	0.04	0.19	0.17	0.75	0.03	0:14	0.04	0.1
		Oil/Gas	1.22	3.97	0.04	0.16	0.31	0.88	4.33	4.60	0.12	0.4
		MAX	1.22	3.97	0.04	0.19	0.31	0.88	4.33	4.60	0.12	0.4
Fume Recovery System 2,3		NA			12.47	21.51						
Tank 33		Heavy Oil			0.12	0.005						
Tank 67		Heavy Oil			0.04	6,002						
Fugitives		NA			0.98	0,568						
New Hot Oil Heater <sup>1</sup>		Gas	1.34	5.87	0.03	0.12	0.34	1.47	0.04	0.16	0.06	
		Oil/Gas	1.42	5.96	0.03	0.10	0.36	1.49	5.04	5:34	0.14	0.5
		MAX	1.42	5.96	0.03	0.12	0.36	1.49	5.04	5:34	0.14	0.5
T-200		Liquid Pitch				Note 4						
Plant Total			5.64	22.45	13.74	22.64	1,41	5.50	20.02	21.26	0.56	2.19

- 1 Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year,
- The fume recovery system receives emissions from the following units: T-68, T-200, ralicar loading and tank car loading.

  Hourly and annual VOC emissions from the fume recovery system were calculated using ChemCAD.

  Emissions from T-200 are included in the fume recovery system's emissions.

#### Maximum Potential Emissions from Combined Natural Gas/Fuel Oil Combustion, Koppers Industries, Inc., Portland Tar Plant

4.08 - 1.08 - 1.18 - 1.

Unit ID	Heat Input (MM BTU/Hr)	Fuel Used	Hourly Potential Fuel Use (Mgal/hr) (mmcf/hr)	Annual Potential* Fuel Use (Mgal/yr) (mmcf/yr)	Emission Factor NOs (lb/Mgal) (lb/mmcf)	NOx (lb/hr)	NOx (tpy)	Emission Factor VOC (lb/Mgal) (lb/mmcf)	VOC (lb/hr)	VOC (tpy)	Emission Factor CO (lb/Mgal) (lb/mmcf)	CO (lb/hr)	(фу) СО	Emission Factor SO2 (lb/Mgal) (lb/mmcf)	SO2 (lb/hr)	SO2 (tpy)	Emission Factor PM-10 (lb/kdgal) (lb/mmcf)	PM-10 (lb/hr)	PM-10 (tpy)
Atlas Boiler	21	Oil	0.15	302.40	20.00	3.00	3.02	0.20	0.03	0.03	3.00	0.75	0.76	71.00	10.65	10.74	2.00	0.30	0.30
		Gas	0.02	135.66	140.00	2.82	9.50	2.78	0.06	0.19	35.00	0.70	2.37	3.80	0.08	0.57	6.20	0.12	0.94
Hot Oil Heater	8.5	Oil	0.061	122.40	20.00	1.22	1.22	0.20	0.01	0.01	5.00	0.31	0.31	71.00	4.33	4.35	200	0.12	0.12
		Gas	0.01	54.91	100.00	0.81	2.75	5.28	0.04	0.14	21.00	0.17	0.58	3.60	0.03	0.26	4.50	0.04	0.31
New Hot Oil Heater	10	Oil	0.071	144.00	20.00	1.42	1.44	0.20	0.01	0.01	5.00	0.36	0.36	71.00	5.04	5.11	2.00	0.14	0.14
		Gas	0.01	64.60	140.00	1.34	4.52	2.78	0.03	0.09	35.00	0.34	1.13	3.80	0.04	0.23	6.20	0.06	0.38
Total							22.451			0.481			5.503			21.257			2.191

<sup>\*</sup> Based on 2,016 hours/year of fuel oil combustion and 6744 hours/yr of natural gas combustion

Assumed higher heating value of #2 Fuel Oil = 140,000 BTU/gal

Higher Heating Value Natural Gas = 1044 BTU/cuft

Emission Factors are taken from the AP-42, Section 1.3, Jan., 1995

SO2 Emission Factor calculated by assuming 0.5% S in Oil

Calculation for criteria pollutants during oil combustion = (max input in mm BTU/hr) X (Criteria emission factor) X (8760 hr/yr) / (2000 lbs/ton \* 140,000 BTU/Gal)

Calculation for criteria pollutants during natural gas combustion ] (max input in mm BTU/hr) X (Criteria emission factor) X (8760 hr/yr) / (2000 lbs/ton \* 1044 BTU/SCF)

Assumed PM = PM-10

#### Maximum Potential Emissions from Natural Gas Combustion, Koppers Industries, Inc., Portland Tar Plant

Unit ID	Heat Input (MM BTU/Hr)	Fuel Used	Hourly Potential Fuel Use (mmcf/hr)	Annual Potential* Fuel Use (mmcf/yr)	Emission Factor NOz (lb/mmcf)	NOx (lb/hr)	NOx (tpy)	Enission Factor VOC (lb/mmcf)	VOC (lb/hr)	VOC (tpy)	Emission Factor CO (lb/nuncf)	CO (lb/hr)	CO (tpy)	Emission Factor SO2 (lb/nuncf)	SO2 (lb/hr)	SO2 (tpy)	Emission Factor PM-10 (lb/mmcf)	PM-10 (lb/hr)	PM-10 (tpy)
Atlas Boiler Hot Oil Heater New Hot Oil Heater	21 8.5 10	Gas Gas Gas	0.02 0.01 0.01	176.21 71.32 83.91	140.00 100.00 140.00	2.82 0.81 1.34	12.33 3.57 5.87	278 5.28 278	0.06 0.04 0.03	0.25 0.19 0.12	35.00 21.00 35.00	0.70 0.17 0.34	3.08 0.75 1.47	1.80 1.80 3.80	0.08 0.03 0.04	0.33 0.14 0.16	6.20 4.30 6.20	0.12 0.04 0.06	0.55 0.16 0.26
Total				331.437			21.774		-	0.550			5.301			0.630			0.967

<sup>\*</sup> Based on 8760 hrs/yr of operation Higher Heating Value Natural Gas = 1044 BTU/cuft Emission Factors are taken from the AP-42, Section 1.4, Jan., 1995

Assumed PM = PM-10

Calculation for criteria pollutants = (max input in mm BTU/hr) X (Criteria emission factor) X (8760 hr/yr) / (2000 lbs/ton \* 1044 BTU/SCF)



#### INTEROFFICE CORRESPONDENCE

Fax transmission to: 227-2423, 5 pages, and e-mailed.

To:

Traci Self

From:

J. T. Dietz

Location:

K-1800

Location:

Harmarville Tech Center

Subject:

Portland Terminal -

Date:

October 29, 1998

**Draft Air Permit Submittal** 

Please find attached a draft of the facility and operation description with proposed permit conditions for the Portland Terminal Air Permit. This should be submitted with Carl's flowsheet and Air Compliance emissions calculations.

Please review the draft transmitted by e-mail and edit it as appropriate prior to submittal. If you have any questions, please advise.

Jim Dietz

CC:

Amos Kamerer -

Steve Smith -

Carl Mueller -

Jill Merrill -

Portland

K-1800

Harmarville

Air Compliance

#### **Facility Background**

Koppers Industries operates its Portland facility to receive and distribute industrial pitch, a critical component for the production of aluminum in the Pacific Northwest. The plant operation consists of receiving both solid and liquid pitch and shipping liquid pitch to customers. Koppers also produces creosote wood preservative for distribution to wood treating customers.

The Portland operation currently includes: a solid pitch storage shed; a pitch melter tank number 65; a liquid pitch shipping tank number 68; a heavy correction oil tank number 33; a creosote blending and shipping tank number 67; a gas/oil dual fuel fired, 21 million Btu per hour steam boiler; a gas/oil-fired hot oil heater; rail car and tank truck loading stations; and a pitch fume recovery system. The fume recovery system currently collects fumes from tanks 65, 68, and the rail car and tank truck loading stations.

This air permit application is submitted after review and analysis of Koppers' business projections as well as evaluating the potential for future business. The plant operating throughput is measured in terms of short tons of pitch per year. The current throughput for 1998 is approximately 70,000 tons. The maximum future business potential throughput is estimated at 150,000 short tons per year.

#### Basis of Air Permit Emissions Estimates

The emissions estimates included in this application are calculated from the plant operations at defined throughputs and presented in the following format:

- Actual Emissions from Existing Units
- Maximum Potential Emissions from Existing Units
- Phase One Facility Expansion
- Phase Two Facility Expansion

#### Facility Expansion

The potential to expand the operation is planned in two stages. Phase One Expansion is a near term plan based on foreseeable, eminant business development. Phase Two Expansion includes anticipated changes in operations that may occur due to potential, but not immediate, business opportunities.

The plan for Phase One Expansion is to install one additional liquid pitch storage tank number T-200 (nominally two million gallons of capacity), a ship receiving terminal and pipeline and a new 10 million Btu per hour hot oil heater with the existing 8.5 million Btu per hour hot oil heater available as a standby.

The Phase Two Expansion would include a second two million gallon pitch storage tank, T-210. Also, if an additional rail car or tank truck loading station is required; a new fume combustor would be installed.

#### Fume Recovery System and Future Revisions

The existing pitch fume recovery system controls emissions from the pitch melter tank number 65, the shipping tank number 68 and the truck and rail car loading stations. This system utilizes a coal tar distillate to process fumes entering from the pitch fume collection duct network. The facility uses a KII coal tar distillate, called "heavy oil", as a contacting medium. Analysis shows that heavy oil is an excellent fluid in the fume recovery system and is recovered directly into the pitch product. Since heavy oil is a higher viscosity material, the fume recovery system is required to be at an elevated temperature to maintain proper operability. Thus it is equipped with electric heaters for the fume recovery circulation tank to boost the system's temperature. Refer to the system sketch as an aid in understanding the fume recovery process.

The system employs a venturi eductor to contact the fumes collected from the tanks and loading station. The heavy oil is stored within the tank mounted to the base of the eductor and is

circulated by pumping. On the outlet of the eductor vent a mist eliminator is installed in the stack of the fume recovery system. The vapor contacting the heavy oil in the fume recovery system can result in entrainment or carryover of particulates out the exit stack. The mist eliminator acts to disengage suspended organics from the vapor stream, allowing them to drop out and be returned to the fume recovery system.

In the event of a Phase Two Expansion resulting in additional requirements for fume handling capacity, the existing pitch fume recovery system will be replaced with a thermal oxidizer and heat recovery unit. As opposed to the fumes that are drawn into the existing system by a venturi, a blower would be installed to draw vapor from the pitch fume piping network and discharge them into the oxidizer. The thermal oxidizer would be designed to provide sufficient reaction time and temperature resulting in a minimal 98% destruction efficiency of VOC's from the fume system. Prior to exiting a stack, the oxidized vapors would pass through an exchanger to recover heat (energy) into a hot oil system used for plant heating systems.

#### **Permit Conditions**

The company will be required to operate its facility in such a manner to perform as follows to comply with the permit:

- The company will be permitted to discharge exhaust gases from stationary operations directly associated with the facilities described herein.
- Not exceed the following total emissions for the steam boiler and hot oil heaters:
  - 2.47 Tons per year or 0.56 Lbs/Hour of PM-10 particulate.
  - 6.18 Tons per year or 1.41 Lbs/Hour of CO
  - 24.72 Tons per year or 5.64 Lbs/Hour of NOx
  - 87.74 Tons per year or 20.02 Lbs/Hour of SO2
  - 3.29 Tons per year or 1.76 Lbs/Hour of VOC

- Perform boiler maintenance, including inspection of the combustion chamber and refractory and burner adjustment, at least every two years.
- Not exceed the following total emissions for the fume recovery system:
  - 22.64 Tons per year or 13.74 Lbs/Hour of VOCs
  - Compliance to be tested and reported by the combined Methods 1-4 and 25A of Appendix A of 40 CFR 60.
- The company shall operate and maintain any equipment generating air emissions efficiently and by the best practice.
- The company shall notify the Department within 45 days of plans to implement system or operational changes or additions associated with Phases One or Two Expansions. The company shall have 30 days to inform the Department when system changes have been started up and 90 days to come into compliance of the permit limits.

Koppers Industries, Inc.

# Fax

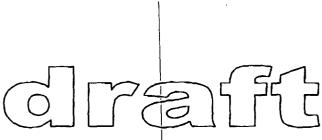
To:	Amo	os Kamerer	From:	Traci I. Self	
Faxc	503-	-285-2831	Date:	November 10, 1998	3
Phone	503	-286-3681	Pages:	7	
Re:	AirF	Permit Application	CC:	Jim Dietz, Carl Mue	ller
☑ Urge	ent	☑ For Review	☑ Please Comment	☐ Please Reply	☐ Please Recycle
•Сотп	nents			· ·	

Please respond ASAP so that I may send the revised information to ODEQ.

Thank You

Tracl I. Self

11/10/98 TUE 10:41 [TX/RX NO 7208] 2001



November 10, 1998

Oregon Department Of Environmental Quality Northwest Region 2020 SW Fourth Avenue Suite 400 Portland, OR 97201-4987

Attention: Kathy Amidon

RE: Koppers Industries Inc. - Portland Terminal Supplemental Information Air Permit Application No. 26-2930 Multnomah County

#### Dear Ms. Amidon:

In response to our telephone conversation, with Amos Karnerer, on November 2, 1998, I am enclosing a revised emission estimate spreadsheet for Phase I. Phase I will consist of addition of a new liquid pitch storage tank (T- 200) and a new 10 MM BTU/Hr hot oil heater. The existing 8.5 MM BTU/HR hot oil heater will be used as a back up unit.

412 227 2423

The Portland terminal is presently using natural gas for the boiler and hot oil heater. However, the terminal is operating under an interruptible gas contract. In the event that natural gas becomes unavailable, diesel fuel must be used in the units. The maximum potential emission calculations for existing units and proposed Phase 1 have been revised to reflect use of diesel fuel for a maximum period of 12 weeks.

Because of the variability of business projections and the uncertainty of obtaining a non-interruptible gas supply, Koppers Industries Inc. is requesting Oregon Department Of Environmental Quality (ODEQ) permit the Portland facility based on the maximum potential emission calculations listed for Phase I.

If you have, any questions please contact Amos Kamerer at (503) 286-3681 or me at (412) 227-2883.

Page 2
 Sincerely,

November 10, 1998

10:09

Traci I. Self Environmental Manager

Attachments (3)

cc: Amos Kamerer Jim Dietz Kevin Fitzgerald Steve Smith

[TX/RX NO 7208] 2004

# Maximum Potential Emissions from Existing Units Koppers Industries, Inc., Portland Terminal

	Comments	Commedity	NOx	NOX	VOC	YOC	CO	<b>c</b> o	\$02	SO2	PM-10	PM/IC
Unit			(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr	(lb/hr)	TonsMr	(lb/hr)	TonsiYi	(tb/hr)	TonsiYr
Atlas Boller		Gas	2,82	12.33	0.06	0.25	0.70	3.08	0.08	0.33	0.12	0.55
		Oil/Gas	3.00	12.52	0.06	022	0.75	3.13	10.65	1331	0.30	1 24
		· MAX	3,00	12.52	0.06	9) 25	0.75	113	10.65	14.37	0.30	1.34
· 	<u> </u>											
Hot Oil Heater(backup unit)1		Gas	0.81	3,57	0.04	0.19	0.17	0.75	0.03	0.14	0,04	0:16
		Oil/Qas	1.22	3.97	0.04	0.15	0.31	0.88	4.33	4,60	0,12	
		MAX	1.22	397	0.04	0.19	0_31	0.88	4.33	4,60	0.12	0.43
	1											
Fume Recovery System 2,3	<u> </u>	NA			12.47	20,5)						
		·										
Tank 33		Heavy Oil			0.12	0.005						
	1											
Tank 67	<b>!</b>	P1/P13 Distillate			0.85	0.035						
 	<u> </u>											
Loading Tank 67 to Rail	1	P1/P13 Distillate			2.46	.0.064						
	<u> </u>											
Fugitives		NA			0.98	0.568						
Plant Total	Ţ		4.22	16.49	16.98	22.56	1.06	4.01	14.98	15.91	0.42	1.67

#### MOTES

l Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.

<sup>&</sup>lt;sup>2</sup> The furne recovery system receives emissions from the following units: T-88, T-85, T-200, ratical loading and tank car loading.

Hourly and annual VOC emissions from the fume recovery system were calculated using ChemCAD.

## Maximum Potential Emissions, Phase ! Koppers Industries, Inc., Portland Terminal

	Comments	Commodity	NOx	NOX	VOC	VOC	0	CO	SO2	502	PM-10	PR-10
Unit			(fb/hr)	Tone/Yr	(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr	(lb/hr)	Tons/Yr
Atlas Boiler <sup>1</sup>	<b>}</b>	Gas	2.82	12.33	0.06	0,25	0.70	3.08	0.08		0.12	****
	<del> </del>	Oil/Gas MAX	3,00 3,00		0.06	0,22 0,25	0.75 0.75	1.13 1.13	10.65 10.65	13.31 11.31	0,30 0.30	***************************************
	<b>}</b>	MAA	3,00	92,53	0.06	U 42	0.75	********	10.63	1143	0.30	1,2
Hot Oil Heater(backup unit)	1	Gas	0.81	3 577	0.04	0:19	0.17	0.75	0.03	0.14	0.04	0.16
	<del>                                     </del>	Oil/Gas	1.22	3.97	0,04	0.16	0.31	0.83	4_33		0.12	
		MAX	1.22	197	0,04	0.19	0.31	0.88	4.33		0.12	0.4
Fume Recovery System 2,3	·	NA .			12.47	2),51						
7		115 01										
Tank 33	<b> </b>	Heavy Oil			0.12	0.005					·	
Tank 67	<del> </del>	Heavy Oil			0.04	0.002						
·												
Fugitives		NA			0.98	0,368						
New Hot Oil Heater <sup>1</sup>	<del> </del>	Gas	1,34	5.87	0.03	0.12	0.34	1,47	0.04	0,16	0,06	0.2
Item Hot Oil Heatel	<del> </del>	Oil/Gas	1,42		0.03	0.10	0.36	1.49	5.04		0.14	0.5
<del></del>	<del>                                     </del>	MAX	1.42		0.03	0 12	0.36	7 49	5.04		0.14	
T-200		Liquid Pitch				Note 4						
	{		<u> </u>									
Plant Total	<del> </del>		5.84	22.45	13.74	22.84	1.41	5.50	20.02	21.26	0.58	2.19

- Combustion units may be run on natural gas or #2 firel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.
- The furne recovery system receives emissions from the following units: T-68, T-85, T-200, relicer loading and tank car loading.
   Hourly and ennual VOC emissions from the fume recovery system were calculated using ChemCAD.
- \* Emissions from T-200 are included in the furne recovery system's emissions.

#### Maximum Potential Emissions from Combined Natural Gas/Fuel Oil Combustion, Koppers Industries, Inc., Portland Ter Plant

Unit ID	Heet Imput (MM BTUVHr)	Fuel Used	Hourly Potential Fuel Use (Mgal/hr) (mmcf/hr)	Annual Potential* Fuel Use (Mgal'yr) (mmcf/yr)	Exclusion Factor NOs (Modelpal) (Notace)	NOx (Ib/hr)	NOx (tpy)	Britation Factor POC (BANGA) (britana)	VOC (lb/br)	VOC ((py)	Brotzston Roctor CO (BNAgal) fitheres	(Jp/hr)	∞ (tęy)	Brainstone France SC2 (Schlagen) (Drivens)	SO2 (lb/lu)	SO2 (tpy)	Entition Factor PM-10 (AN-Appl) (Massec)	PM-10 (Ib/hr)	PM-10 ( <del>171</del> )
Atlas Builer	21	Oil	0.15	302.40	20.00	3.00	3.02	0,20	0,03	0.03	.00.L	0.75	0.76	71,00	10.65	10,74	200	0.30	030
		Gas	0.02	135.66	140,60	2.82	9.50	2.78	0.06	0.19	33,60	0.70	2.37	A 5D	0.08	0.57	4.20	0.12	0.94
Hot Oil Heater	8.5	Oil	0.061	122.40	20.00	1,22	1.22	0.20	0.01	0.01	3,00	0.31	0.32	71.60	4.33	4.35	1.00	0.12	0.12
		Gas	0.01	54.91	190.00	0.81	2.75	1,28	0.04	0.14	21.00	0.17	0.58	3.60	0.03	0.26	a.m	0.04	0.31
New Hot Oil Heater	10	Oit	0.071	144.00	200.00	1.42	1.44	420	0.01	0.01	200	0.36	0.36	71.00	5.04	5.11	2.00	0.14	0.14
		Gas.	0.01	64.60	140.00	1.34	4.52	2.78	0.03	0,09	35,00	0,34	1.13	1.80	0.04	0.23	520	0.06	0.38
Total							22.451			0.481			5.503			21.257			2.191

<sup>\*</sup> Besed on 2,016 hours/year of fuel oil combustion and 6744 hours/yr of natural gas combustion

Assumed higher heating value of #2 Fuel Oil = 140,000 BTU/gel

Higher Heating Value Natural Gas = 1044 BTU/ouft

Emission Factors are taken from the AP-42, Section 1.3, Jan., 1995

SO2 Emission Factor calculated by assuming 0.5% S in Oil

Calculation for criteria pollutants during oil combustion = (max input in mm BTU/hr) X (Criteria emission factor) X (8760 hr/yr) / (2000 lbs/ton \* 140,000 BTU/ral)

Calculation for criteria pollutarits during natural gas combination )- (max input in mon BTU/hr) X (Criteria emission factor) X (8760 http:// (2000 lbs/100 \* 1044 BTU/SCF)

Assumed PM = PM-10

[TX/RX NO 7208] [ 006

TUE 10:41

Koppers012918

#### Maximum Potential Emissions from Natural Gas Combustion, Koppers Industries, Inc., Portland Tar Plant

Cait 1D	Hear Input (MM BTU/Hr)	Fuel Used	Hourly Potential Fuel Use (mmcOhr)	Annual Potential* Fuel Use (mmcUyr)	Brainston Factor NOs (through	NOx (lb/ter)	NOx (фу)	Buctulon Portor POC (Notword)	VOC (lb/lu)	VOC	Emission Pacier CO (10/reacy)	(Jp,⊊r) ⊙0	(tpy)	Emission Factor SO2 filteracy	502 (lb/fo)	\$\C2 (tpy)	Britanion Factor PLA-10 (Linux)	PM-10 (lb/x)	PM-10 (tpy)
Atlas Boiler Hot Oil Hester New Hot Oil Hester	21 8.5 10-	Gas Gas Gas	0.02 0.01 0.01	176.21 71.32 83.91	14000 100,60 160,00	2.82 0.81 1,34	12.33 3.57 5.87	2.78 3.28 2.78	0.06 0.04 0.03	0.25 0.19 0.12	31.00 31.09 31.00	0,70 0.17 0.34	3.08 0.75 1.47	1.60 3.80 3.60	0.08 0.09 0.04	0.33 0.14 0.15	d.70 d.80 6.20	0.12 0.04 0.06	0.55 0.16 0.26
Total				331.437	<u> </u>		21.774	<u> </u>		0.550			5.301		<del></del>	0.630			0.967

<sup>\*</sup> Based on 8760 hrs/yr of operation Higher Hesting Value Natural Gas = 1044 BTU/cult Honission Factors are taken from the AP-42, Section 1.4, Jan., 1995

Assumed PM = PM-10

Calculation for criteria pollutarits = (max input in men BTL/hr) X (Criteria emission factor) X (8760 hr/yr) / (2000 lbs/ton \* 1044 BTL/SCF)



### INTEROFFICE CORRESPONDENCE

To:

Kevin Fitzgerald

From:

Traci I. Self

Jim Dietz

Steve Smith

Amos Kamerer w/o attachmen !

Location:

K-1800

Jill Merrill-ACCI

Subject:

Portland Air Contaminant

Date:

February 15, 1999

**Proposed Permit** 

Attached is the draft proposed air permit for Portland Terminal. The comment period ends March 11, 1999. If KII wants to make any changes to the permit before issuance, we must make them before this date. Please review the permit and provide comments by March 5, 1999. Thank You.



#### Department of Environmental Quality .

Northwest Region 2020 SW Fourth Avenue Suite 400 Portland, OR 97201-4987 (503) 229-5263 Voice TTY (503) 229-5471

February 10, 1999

FEB 1 5 1999

KOPPERS INDUSTRIES INC 7540 NW ST HELENS RD PORTLAND OR 97210-3663

RE: PUBLIC NOTICE FOR AIR

CONTAMINANT DISCHARGE PERMIT

Permit # 26-2930

Your application for an Air Contaminant Discharge Permit has been reviewed by the Department of Environmental Quality and a proposed permit has been drafted. The Department has issued a public notice from February 9, 1999 to March 11, 1999. You are invited to review the attached copy of the proposed permit and submit any comments you may have prior to the end of the notice period.

The public notice is distributed to interested individuals and the media.

All comments received will be evaluated by the Department and action on the proposed permit will be taken in the near future.

Sincerely,

Johnny D. Baumgartner

Air Quality Permit Coordinator

Johnny D Baumgautra

Northwest Region

Enclosure

DISCHARGE:

**DESCRIPTION OF** Proposed Plant Site Emission Limits at the facility are shown below and are expressed in tons per year.

Pollutant	Baseline (tons/yr)	Current PSEL (tons/yr)	Increase (tons/yr)	SER (tons/yr)
SO <sub>2</sub>	0	22	22	40
NO <sub>x</sub>	0	28	28	40
CO	0	7	7	100
.VOC	0	20	20	40

SPECIAL PERMIT CONDITIONS:

Special conditions contained in the permit include the requirement to notify the Department upon installation of the 8 MM Btu/hour heater, and to make a response to all complainants.

COMPLIANCE HISTORY:

In response to a complaint in Koppers' geographical area, several facilities were visited. Department staff discovered an oil-fired boiler operating without a permit. The facility contains a 21 Mm Btu/hour boiler with the capability of burning oil. Under OAR 340-28-1750, Table 4 (formerly OAR 340-20-155, Table 1), all oil fired boilers greater than 10 MM Btu/hour input capacity in the Portland Air Quality Maintenance Area are required to have an air discharge permit. Because the Department had mistakenly canceled the permit in 1977, no enforcement action was taken against the source.

WHERE TO FIND OTHER **DOCUMENTS:** 

Copies of the proposed permit and review report are available at the Central Branch Public Library in Portland, Oregon. For technical information, contact Kathy Amidon of DEQ at (503) 229-5568.

The current application is available for public inspection by calling (503) 229-5582. Historical file records, if any, are available for viewing at DEQ's Northwest Region Office, 2020 SW 4th Avenue, Suite 400, Portland, OR 97201. File review hours are 9 a.m. to Noon and 1 p.m. to 4 p.m. Tuesday through Thursday. Call (503) 229-5554 or (TTY) (503) 229-5471. The building is wheelchair accessible and those with special needs should alert this office when making an appointment. This publication is available in alternate format (e.g. large print, Braille) upon request. Please contact DEQ Public Affairs at (503) 229-5317 to request an alternate format.

How To COMMENT:

Written comments should be mailed to: DEQ/AQ, Permit Coordinator, 2020 SW 4th Avenue, Suite 400, Portland, OR 97201-4987. Copies of the proposed permit may be requested from Johnny Baumgartner at (503) 229-5582. Written comments will be accepted by DEQ until 5:00 p.m., March 11, 1999.

How To REQUEST A HEARING:

If written comments indicating significant public interest or written requests from at least 10 persons, or an organization representing at least 10 persons, are received on this application, DEQ will provide a public hearing. Requests for hearing must be in writing and will be accepted by the Department until 5:00 p.m., March 11, 1999.

WHAT HAPPENS NEXT:

The Department will review all information received during the chance to comment period Following this review, the permit may be issued as proposed; modified or denied. FEB 1 2 1999

> KOPPERS INDS, INC. PORTLAND OR

## OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY A CHANCE TO COMMENT ON . . .

#### PUBLIC NOTICE

Comments Due: March 11, 1999

WHO IS THE APPLICANT:

The following facility has applied for a new Air Contaminant Discharge Permit.

Koppers Industries, Inc. 7540 NW St. Helens Rd. Portland OR 97210

Permit Number: 26-2930

The DEQ has conducted a preliminary review of this application and is providing an opportunity for public comment.

### FACILITY DESCRIPTION:

Koppers Industries, Inc. own and operates a facility located at 7540 NW St. Helens Road in Portland that receives, stores, and transfers creosote. The company plans to cease its shipments of creosote and instead move heavy oil and coal tar pitch (pencil pitch). Pencil pitch is received in solid form, placed in tanks and heated, then moved through pipes to load onto rail cars or tank cars. The heavy oil is also heated for ease of movement.

The proposed permit is a new permit for an existing source. The proposed permit will expire on 9/1/2002.

### PERTINENT AIR PROGRAMS:

At the time of application review, this source was not subject to New Source Performance Standards (NSPS), New Source Review (NSR), Prevention of Significant Deterioration (PSD), or National Emissions Standards for Hazardous Air Pollutants (NESHAPS). The facility is located in a maintenance area for carbon monoxide and ozone. Two contributors to ozone, nitrogen oxides (NO<sub>x</sub>) and volatile organic compounds (VOC), are regulated pollutants. The facility is an insignificant source of CO, NO<sub>x</sub>, and VOC. The area is in attainment for all other pollutants.

## AUTHORITY FOR PERMIT ISSUANCE:

The authority for issuance of air quality permits is provided by Oregon Revised Statute (ORS) 468A.045 and the specific procedures for issuance, denial, modification, and revocation of permits contained in Oregon Administrative Rules (OAR) 340, Division 14. Departmental review indicates that this applicant has met all applicable state and federal air quality regulations that provide for issuance of a permit to accommodate increased emissions.

OTHER DEQ
PERMITS ISSUED:

The Department has issued a water quality permit to this facility, NPDES 100419. The plant site includes 25 tanks for the collection and storage of storm water.

Permit No.: 26-2930 Expiration Date: 9/1/2002

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#### AIR CONTAMINANT DISCHARGE PERMIT

Department of Environmental Quality
Northwest Region
2020 SW 4th Avenue, Suite 400
Portland, Oregon 97201-4987
Telephone: (503) 229-5263

Issued in accordance with the provisions of ORS 468A.040 and based on the land use compatibility findings included in the permit record.

	Information Relied Upon:
Koppers Industries, Inc.	Application No: 016551
7540 NW St. Helens Road	Date received: 8/25/97
Portland, OR 97210-3663	
PLANT SITE LOCATION:	LAND USE COMPATIBILITY STATEMENT:
7540 NW St. Helens Road	From: City of Portland
Portland, OR	Dated: 9/15/97
Ed Druback, Northwest Region Air Quality Manag	ger Dated
Ed Druback, Northwest Region Air Quality Manage Source(s) Permitted to Discharge Air Contaminant	
Source(s) Permitted to Discharge Air Contaminant	s:

PROPOSET

Permit No.: 26-2930 Expiration Date: 9/1/2002 Page 2 of 7 Pages

#### PERMITTED ACTIVITIES

The permittee is herewith allowed to discharge exhaust gases from those processes and activities directly related to or associated with the air contaminant source(s) listed above in accordance with the requirements, limitations, and conditions of this permit, until such time as this permit expires or is modified or revoked.

Compliance with the specific requirements, limitations and conditions contained herein does not relieve the permittee from complying with all other laws, rules and standards administered by the Department, nor does it allow significant levels of emissions of air contaminants not limited in this permit or contained in the permit application.

#### PERFORMANCE STANDARDS AND EMISSION LIMITS

- 1. Particulate emissions from any single air contaminant source shall not exceed any of the following:
  - a. 0.2 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air, for combustion sources existing prior to June 1, 1970;
  - b. 0.1 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air, for combustion sources installed, constructed, or modified after June 1, 1970; and
  - c. An opacity equal to or greater than twenty percent (20%) for a period aggregating more than three (3) minutes in any one (1) hour, excluding uncombined water vapor.
  - d. Particulate matter which is larger than 250 microns and which may be deposited upon the real property of another person shall not be emitted.
- 2. The permittee shall not sell, distribute, use (combust), or make available for use, any fuel oil which exceeds the following sulfur content limitations:
  - a. 0.3 percent sulfur by weight for ASTM Grade 1 (distillate).
  - b. 0.5 percent sulfur by weight for ASTM Grade 2 (distillate).
  - c. 1.75 percent sulfur by weight for residual fuel oil.
- 3. The permittee shall not allow the emission of odorous matter or other fugitive emissions so as to create nuisance conditions off the permittee's property. Nuisance conditions will be verified by Department personnel. The creation of nuisance conditions may, in addition to any other action the Department may take, result in a permit modification to require a compliance schedule to control the nuisance conditions.

#### **OPERATIONS AND MAINTENANCE**

4. The permittee shall at all times maintain and operate all air contaminant generating processes and all air contaminant control equipment at full efficiency and effectiveness, such that the emissions of air contaminants are kept at the lowest practicable levels.

PROPOSET

Permit No.: 26-2930 Expiration Date: 9/1/2002

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5. The permittee shall minimize fugitive dust emissions by:

- a. Treating vehicular traffic areas of the plant site under the control of the permittee.
- b. Storing collected material from air pollution control equipment in a covered container or other method equally effective in preventing the material from becoming airborne during storage and transfer.
- 6. A maintenance service must be performed on the boiler at least once every two years. As a minimum, the service must include an inspection of the burners and refractory chamber, cleaning, adjustment, and repair as necessary. Records of the service shall be maintained on site for a period of at least two years.

#### PLANT SITE EMISSION LIMITS

- 7. Emissions of Sulfur Dioxide on a plant site basis shall not exceed 22 tons per year or 20 pounds per hour.
- 8. Emissions of Nitrogen Oxides on a plant site basis shall not exceed 28 tons per year or 11 pounds per hour.
- 9. Emissions of Carbon Monoxide on a plant site basis shall not exceed 7 tons per year or 3 pounds per hour.
- 10. Emissions of Volatile Organic Compounds on a plant site basis shall not exceed 20 tons per year or 14 pounds per hour

#### AIR POLLUTION EPISODES

- 11. The permittee may elect to file a Source Emission Reduction Plan (SERP) with the Department in accordance with OAR 340-27-015, specifying the procedures the permittee will follow in the event an Air Pollution Alert, Warning, or Emergency Episode is declared in the Portland area by the Department. The Source Emission Reduction Plan shall be available on the source premises for inspection by any authorized personnel.
- 12. In the event an Air Pollution Alert, Warning, or Emergency Episode is declared in the Portland area by the Department, the permittee shall take actions appropriate to the declared Air Pollution Episode as listed in the Source Emission Reduction Plan on file with the Department, or with Oregon Administrative Rules 340, Division 27 "Air Pollution Emergencies" if no Source Emission Reduction Plan has been filed with the Department.

Air Pollution Episodes will be declared by the Department and information will be made available through the radio and television media.

Permit No.: 26-2930. Expiration Date: 9/1/2002

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#### SPECIAL CONDITIONS

13. The permittee shall notify the Department in writing of the date the new hot oil heater is started up. The notification shall be submitted no later than seven (7) days after startup.

14. All nuisance condition complaints shall be investigated by a plant representative immediately following receipt of such a complaint. A log of all complaints shall be maintained at the plant site and shall include date of contact, time of observed nuisance condition, description of nuisance condition, location of receptor, and status of plant operation during the observed period. The nuisance complaint log shall be maintained on site for a period of not less than two years, and be made available to Department representatives upon request.

#### **MONITORING REQUIREMENTS**

- 15. The permittee shall effectively inspect and monitor the operation and maintenance of the plant and associated air contaminant control facilities and shall implement the procedures necessary to monitor and record the following parameters. A record of all such data shall be maintained for a period of two years at the plant site for inspection by the authorized representatives of the Department.
  - a. All operating and production parameters to be reported to the Department annually as required in Condition 16.
  - b. Excess emissions records as defined in OAR 340-28-1400 through 340-28-1440 (recorded on occurrence)
  - c. A description of any maintenance to the air contaminant control system (recorded on occurrence)

#### REPORTING REQUIREMENTS

- 16. The permittee shall submit to the Department by January 15 of each year this permit is in effect two (2) copies of the following information for the preceding calendar year:
  - a. Operating parameters:
    - i. Annual throughput of coal tar pitch
    - ii. Annual throughput of heavy oil
    - iii. Total boiler operating time (hours/year)
    - iv. Total hot oil heater operating time (hours/year)
    - v. Highest sulfur content of oil burned (obtained from supplier)
    - vi. Types and quantities of fuels burned (gallons or MMCF)
    - vii. Average plant operating schedule (hours/day, days/week, weeks/year)
  - b. Computations of total VOC and HAPs emissions for the previous calendar year.

Permit No.: 26-2930

Expiration Date: 9/1/2002 Page 5 of 7 Pages

### PROPOSIT

- c. A log of all planned and unplanned excess emissions in accordance with OAR 340-28-1440.
- d. A summary of all odor complaints received during the year; by specifying the number of complaints on each date that complaints were received.
- e. Explain any permanent changes made in the plant process or production which would effect air contaminant emissions, and indicate when changes were made.
- f. List all major maintenance performed on air pollution equipment
- g. The report shall be sent to the Northwest Region, 2020 SW 4th Ave., #400, Portland, Oregon 97201-4987 unless otherwise noted. The permit number must be prominently displayed on the report.

#### **FEE SCHEDULE**

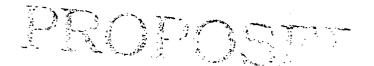
- 17. The Annual Compliance Determination Fee for this permit is due on August 1 of each year this permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date. The fee shall be submitted to the Business Office of the Department in Portland (unless otherwise notified).
- 18. The Application Processing and Filing fees for renewal of this permit are due on July 1, 2002, and must be submitted at least 60 days prior to the permit expiration date. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date. The fee and application shall be submitted to the Business Office of the Department in Portland (unless otherwise notified).

#### GENERAL CONDITIONS AND DISCLAIMERS

- G1. The permittee shall allow Department of Environmental Quality representatives access to the plant site and pertinent records at all reasonable times for the purposes of making inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emission discharge records and otherwise conducting all necessary functions related to this permit in accordance with ORS 468.095.
- G2. The permittee shall have available at the facility at all times a copy of the Air Contaminant Discharge Permit.
- G3. The permittee is prohibited from conducting open burning.
- G4. The permittee shall at all times conduct dust suppression measures to meet the requirements set forth in "Fugitive Emissions" and "Nuisance Conditions" in OAR 340-21-050 through 340-21-060 and in OAR 340-30-440.

Permit No.: 26-2930 Expiration Date: 9/1/2002

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G5. The permittee shall immediately (i.e. as soon as possible but in no case more than one hour after the beginning of the excess emission period) notify the Department by telephone or in person of any excess emissions which are of a nature that could endanger public health, in accordance with OAR 340-28-1430. Follow-up reporting shall be made in accordance with Department direction and OAR 340-28-1430(3) and 340-28-1440.

Notification shall be made to the appropriate regional or branch office. The current Northwest Region telephone number is (503) 229-5554.

In the event of any excess emissions which are of a nature that could endanger public health and occur during non-business hours, weekends, or holidays, the permittee shall immediately notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.

- G6. The permittee shall notify the Department in writing using a Departmental "Notice of Construction" form, or "Permit Application Form", and obtain approval in accordance with OAR 340-28-800 through 340-28-820 before:
  - a. Constructing or installing any new source of air contaminant emissions, including air pollution control equipment, or
  - b. Modifying or altering an existing source that may significantly affect the emission of air contaminants, or
  - c. Making any physical change which increases emissions, or
  - d. Changing the method of operation, the process, or the fuel use, or increasing the normal hours of operation to levels above those contained in the permit application and reflected in this permit and which result in increased emissions.
- G7. Application for a modification of this permit must be submitted not less than 60 days prior to the source modification. A Filing Fee and an Application Processing Fee must be submitted with an application for the permit modification.
- G8. The permittee shall notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:
  - a. legal change of the registered name of the company with the Corporations Division of the State of Oregon, or
  - b. sale or exchange of the activity or facility.

Applicable Permit Fees must be submitted with an application for the name change.

- G9. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
- G10. This permit is subject to revocation for cause as provided in OAR 340-14-045.

Permit No.: 26-2930 Expiration Date: 9/1/2002 Page 7 of 7 Pages

#### ALL INQUIRIES SHOULD BE DIRECTED TO:

Department of Environmental Quality Northwest Region - Air Quality 2020 SW 4th Avenue, Suite 400 Portland, Oregon 97201-4987 Telephone: (503) 229-5554 PROPOSI

Permit Number: 26-2930 Application No.: 16551 Page 1 of 4 Pages

### Department of Environmental Quality Northwest Region AIR CONTAMINANT DISCHARGE PERMIT APPLICATION REVIEW REPORT

Koppers Industries, Inc. 7540 NW St. Helens Road Portland, OR 97210-3663

SOURCE TEST	AMB MON	COMPL SCHED	SPEC COND	RPT FREQ	EXCESS RPT	NSPS	NSR	PSD	NESHAP	SIZE	PUB NTC
			Y	A_						A-2	Y

#### GENERAL BACKGROUND INFORMATION

1. This is a new permit for an existing source. In March 1975, Koppers Co., Inc. proposed a coal tar pitch processing facility. A permit was written to cover the operation of the proposed facility. In January 1976, the company informed the Department that the proposed operation would not be added to the facility. The permit was modified to allow the marketing of the remaining 3600 tons of coal tar on hand as roofing bitumen. The Department then canceled the permit as the facility reverted to being a terminal facility only.

In response to a complaint in Koppers' geographical area, several facilities were visited. Department staff discovered an oil-fired boiler operating without a permit. The facility contains a 21 Mm Btu/hour boiler with the capability of burning oil. Under OAR 340-28-1750, Table 4 (formerly OAR 340-20-155, Table 1), all oil fired boilers greater than 10 MM Btu/hour input capacity in the Portland Air Quality Maintenance Area are required to have an air discharge permit. Because the Department had mistakenly canceled the permit in 1977, no enforcement action was taken against the source.

The company proposes to replace an 8 MM Btu/hour natural gas fired hot oil heater to provide heat to storage tanks. The old heater will be used as a back-up. Gaseous emissions from the tanks will be ducted to the hot oil heater for incineration. Installation of a heated pipeline and two liquid pitch storage tanks is planned within the next two years.

The facility now receives, stores, and transfers creosote. The company plans to cease its shipments of creosote and instead move heavy oil and coal tar pitch (pencil pitch). Pencil pitch is received in solid form, placed in tanks and heated, then moved through pipes to load onto rail cars or tank cars. The heavy oil is also heated for ease of movement.



- 2. The facility is located in a maintenance area for carbon monoxide and ozone. Two contributors to ozone, nitrogen oxides (NO<sub>x</sub>) and volatile organic compounds (VOC), are regulated pollutants. The facility is an insignificant source of CO, NO<sub>x</sub>, and VOC. The area is in attainment for all other pollutants.
- 3. A Land Use Compatibility Statement signed by the City of Portland on September 15, 1997 granted unconditional approval.
- 4. The Department has issued a water quality permit to this facility, NPDES 100419. The plant site includes 25 tanks for the collection and storage of storm water.

5. Air contaminant sources at the facility for the coming permit period are:

				·
	MFG/MODEL	CAPACITY/	SCC*	INSTALLED/
EQUIPMENT		PROD. RATE		MODIFIED
Oil-fired boiler	N. American	21 MM Btu/hr	3-06-001-03	1965
Gas-fired heater	TBD	8 MM Btu/hr	3-06-001-02	1998/99
Pitch/oil transfer	n/a	150,000 gal/yr	unknown	1965 inst.
system				2000 mod.

<sup>\*</sup>Source Classification Code, U.S. EPA reference

#### HAZARDOUS AIR POLLUTANTS (HAPS)

6. The heating of these substances causes certain hazardous air pollutants (HAPS) to be driven off. The HAPS include naphthalene, quninoline, biphenyl, dibenzofuran, benzene, and toluene, and others in lesser quantities. Maximum total combined HAPS emissions will be 3.1 tons per year, which also represents the facility's potential to emit HAPS. After the new equipment is installed, total combined HAPS emissions are estimated at 0.001 tons per year. The current fume recovery system will be changed to a fume combustion system by feeding the HAP emissions collected by the fume recovery system through the facility's boiler for incineration. The emission levels noted in this paragraph were based upon maximum potential emissions under the facility's configuration after the heated pipeline, new storage tanks, and fume combustion systems are installed. Further details are contained in the source file.

#### PLANT SITE EMISSION LIMIT (PSEL) INFORMATION

#### ORIGINAL PLANT SITE EMISSION LIMIT

7. The facility was in operation during the baseline years. Baseline year information has not been provided, however, so Baseline Emission Rates have not been established.

Permit Number: 26-2930 Application No.: 16551

Page 3 of 4 Pages

## PROPOSED

#### PROPOSED PLANT SITE EMISSION LIMIT

- 8. The normal operating schedule for the equipment is 24 hrs/day x 7 days/wk x 52 wks/yr = 8,736 hrs/yr.
- 9. Normal annual fuel usage is100,000 gallons of diesel oil and 184 million cubic feet of natural gas. Maximum hourly fuel burned is 150 gallons of diesel oil and/or 30,000 cubic feet of natural gas.
- 10. Throughput of pencil pitch is expected to be 70,000 gallons per year, and a maximum of 100 gallons per hour.
- 11. An emission summary is below. Refer to the Plant Site Emission Detail Sheet, attached.

	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
	tons/yr	tons/yr	tons/yr	tons/yr
Source	(lbs/hr)	(lbs/hr)	(lbs/hr)	(lbs/hr)
Oil combustion	21.3	6.0	1.5	0.06
	(20.0)	(5.6)	(1.4)	(0.06)
Gas combustion	0.4	22.4	5.6	0.45
	(0.1)	(5.6)	(1.4)	(0.11)
Material transfer				19.25
			•	(14.1)
Totals	21.7	28.4	7.1	19.7
	(20.1)	(11.2)	(2.8)	(14.3)

12. Emissions of PM and PM10 are considered negligible and are not included in the Plant Site Emission Limit, shown below.

Pollutant	Short-Term Limit	Annual Limit
Sulfur dioxide (SO <sub>2</sub> )	20 Lb/Hour	22 Tons/Year
Nitrogen oxides (NO <sub>x</sub> )	11 Lb/Hour	28 Tons/Year
Carbon Monoxide (CO)	3 Lb/Hour	7 Tons/Year
Volatile Organics (VOC)	14 Lb/Hour	20 Tons/Year

#### SIGNIFICANT EMISSION RATE

13. The Plant Site Emission Limit increase over baseline is less than the Significant Emission Rate (SER) as defined in OAR 340-28-110 for all pollutants and is shown below. No further air quality analysis is required for those pollutants.

PROPOSITION

Permit Number: 26-2930 Application No.: 16551 Page 4 of 4 Pages

#### Significant Emission Rates:

Pollutant	Baseline (tons/yr)	Current PSEL (tons/yr)	Increase (tons/yr)	SER (tons/yr)
SO <sub>2</sub>	0	22	22	40
NO <sub>x</sub>	0	28	28	40
CO	0	7	7	100
VOC	0	20	20	40

#### ADDITIONAL REQUIREMENTS

- 14. Special conditions contained in the permit include the requirement to notify the Department upon installation of the 8 MM Btu/hour heater, and to make a response to all complainants.
- 15. The source is required to submit reports to the Department annually.
- 16. The source is not subject to immediate (within one hour) reporting of excess emissions, except when the emissions may endanger public health.
- 17. This source is not subject to federal regulations for New Source Performance Standards (NSPS).
- 18. This source is not subject to federal regulations for New Source Review.
- 19. This source is not subject to federal regulations for Prevention of Significant Deterioration (PSD).
- 20. This source is not subject to federal regulations for National Emissions Standards for Hazardous Air Pollutants (NESHAP).

#### PUBLIC NOTICE

The configuration of the plant differs greatly from the time the last permit was issued. Therefore the permit was placed on public notice from March 16, 1998 to April 15, 1998. No comments were received. During the public notice, the applicant informed the Department of a change in plans that would increase gaseous emissions. The proposed permit has been modified, and will again be put on public notice from February 9, 1999 to March 11, 1999.

KAmidon:Edruback 2/10/1998

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		·	Plant Si	e Emi	ssion Detail :	Sneet			
		Fuel Usages	Pollutant	DEQ	mission Factor		Emis	sions	
Fuel:									
Oil, distillate		Thou. Gallons/year	PM		Lb/1,000 gal.		Tons/yr		Lb/hr
	282	Gal./hour	PM10		Lb/1,000 gal.		Tons/yr		Lb/hr
			SO2		Lb/1,000 gal.		Tons/yr		
			Nox		Lb/1,000 gal.		Tons/yr		Lb/hr
			СО		Lb/1,000 gal.		Tons/yr		Lb/hr
			VOC	0.2	Lb/1,000 gal.	0.06	Tons/yr	0.06	Lb/hr
<b>.</b>			<u> </u>					- 10	1.1.1
Natural gas		MM Cubic Ft./year	PM		Lb/MMCF		Tons/yr		Lb/hr
	0.04	MM Cubic Ft./hour	PM10		Lb/MMCF		Tons/yr		Lb/hr
			SO2		Lb/MMCF		Tons/yr		Lb/hr
			Nox		Lb/MMCF		Tons/yr		Lb/hr
			СО		Lb/MMCF		Tons/yr		Lb/hr
			VOC	2.8	Lb/MMCF	0.45	Tons/yr	0.11	Lb/hr
34-4			1,400	<del> </del>		10.05	<b>-</b>	444	1 5/5-
Material Transfer		Thou. Gallons/year	voc	<del> </del>		19.25	Tons/yr	14.1	Lb/hr
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Note: DM and DM	10 0~	l nissions are consider		<del> </del>		22	Tons/yr	20	Lb/hr
		not included in the P		-	Nox		Tons/yr		Lb/hr
negligible at	iu ale	Tot included in the P	JEL.	-	CO		Tons/yr		Lb/hr
	<del> </del>			+	VOC		Tons/yr		Lb/hr
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		is as estimated by the		<u> </u>		<del> </del>		<del> </del>	
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### **RECEIVED**

FEB 1 2 1999

KOPPERS INDS, INC. PORTLAND OR

#### NOTICE OF INTENT TO CONSTRUCT

The owner/operator is required to submit this form if he/she is proposing to construct, install, or establish a new source of emissions of regulated air pollutants. The owner/operator should note that a Notice of Intent to Construct (NC) is not appropriate if the proposed construction/installation/establishment would cause emissions to exceed the Plant Site Emissions Limit (PSEL) of an existing facility or would invoke new applicable requirements (such as New Source Performance Standards or additional monitoring requirements). In such a case, the owner/operator would need to apply for a permit modification.

The terms construction, installation, and establishment refer to the following:

- The addition to or enlargement or replacement of a source of regulated air pollutants; and
- An alteration or modification of an existing source that may affect emissions.

The following types of emissions sources, in the cases of construction, installation, or establishment described above, are subject to this Notice of Intent to Construct (NC):

- Process equipment having emissions to the atmosphere;
- ➤ Air pollution control devices:
- Fuel burning equipment rated at 400,000 BTU/hour or greater;
- Refuse burning equipment rated at 50 lbs/hour or greater;
- Other sources that the Department determines to be significant sources of air emissions.

If the proposed project involves constructing/establishing a new source that falls within the categories of sources identified above, then the owner/operator is required to submit a completed NC and receive DEQ approval before beginning actual construction of the source. If, however, the proposed new source is of a type listed on DEQ's fee table (OAR 340-28-1750, Table 4), then the owner/operator must submit an application of a new Air Contaminant Discharge Permit (ACDP), rather than an NC.

The owner/operator should note that an NC is not required for changes that meet any of the following criteria:

- The change does not affect pollutant-emitting equipment, as identified in the permit;
- The change is insignificant, as determined by DEQ;
- The change does not affect the performance of pollution control equipment (other than routine maintenance); and
- The change does not affect the monitoring or compliance certification requirements for the facility.

#### **Instructions**

- 1. Permit Number. Enter the number of the facility's current ACDP. If the facility does not have a current permit, leave this section blank. The Department will assign a file number.
- 2. Legal company name and mailing address. Enter the legal name of the company as it is registered with the Oregon Secretary of State's Office, Corporations Division.
- 3. Facility name and location address, if different from the information provided in question 2.
  - a. Provide the location—street—address for the facility. If the facility is not located on a street, provide other directional information such as nearby cross streets (i.e., northwest of 3<sup>rd</sup> Ave. At Howard Street). If the facility is located in an industrial park, provide the name and address of the park.
  - b. Provide the city name and zip code. If the facility is located in an un-incorporated area of a county, enter "un-incorporated" and identify the nearest municipality.
  - c. Enter the county name.

- 4. Compliance contact. Provide the name, title, mailing address, area code, and telephone number for the individual responsible for the facility's compliance with applicable air quality regulations.
- 5. Information/clarification contact. Provide the name, title, mailing address, area code, and telephone number for the individual who should be contacted regarding this Notice of Intent to Construct. If this information is the same as that provided in question 4, enter "same."
- 6. Provide up to four four-digit Standard Industrial Classification (SIC) codes characterizing the business activities that will be associated with the proposed construction. If this Notice of Intent to Construct is for a new facility, then the first SIC code listed should be the primary SIC—that is, the SIC code under which the facility is, or will be, registered with the Secretary of State for the state of Oregon (e.g., 2421 for sawmill). If this Notice of Intent to Construct is for an addition to an existing facility, then the SIC codes listed should be those associated with the construction only.
- 7. Indicate (yes or no) whether the facility already holds a DEQ-issued stormwater, water, solid waste, or hazardous waste permit. If "yes." specify the type of permit (e.g. solid waste, water, NPDES, etc.) and the permit number.
- 8. Indicate (yes or no) whether this project will result in increased production capacity/throughput, increased emissions, and/or the emission if regulated air pollutants that previously had not been emitted. If the owner/operator indicates "yes," then this construction/operational change may require a new permit or modification of an existing permit. The owner/operator should talk to the DEQ permit writer about regulatory requirements in this area before submitting this form to DEQ.
- 9. If the proposed construction addressed in this Notice of Intent to Construct meets any of the following four criteria, the owner/operator is required to complete and submit an updated Land Use Compatibility Statement:
  - The construction is for a new facility;
  - The construction is a facility expansion;
  - The construction will cause an increase in emissions of regulated air pollutants; or
  - A current Land Use Compatibility Statement is not on file with DEQ.

The Land Use Compatibility (LUCS) form is provided with ACDP application materials by the DEQ.

- 10. Provide a technical description of the proposed construction. This should include a description of the type of facility to be constructed or equipment to be installed, and its function. If the owner/operator requires additional space to describe the proposed construction, , he/she may attach additional pages. Each attached page should have the facility name prominently identified at the top and should be numbered consecutively.
- The owner/operator should describe fuel usage associated with the constructed source by completing and attaching relevant forms from Form Series AQ200, Device/Process Forms (e.g. Form AQ210, Fuel Burning Device).
- 12. The owner/operator should complete and attach Form AQ301, Control Device Description, to describe the types of control equipment to be used. The owner/operator should attach to the completed Form AQ301 any additional text necessary to describe fully all pollution control and emissions reduction processes. Each attached page should have the facility name prominently identified at the top and should be numbered consecutively.
- Prepare and attach a process flow diagram illustrating the proposed construction. Consult with the DEQ Permit Writer about the level of detail required. The diagram should identify:
  - The location of all control devices and their relationship to the production process(es); and
  - The location of all fuel-burning devices/processes.

- 14. The owner/operator should provide summary pre-construction and post-construction emissions data in the table provided on the answer sheet. Before completing the table, first review all of the information requested in subparts a through d, below.
  - a. List all emissions points at the facility
  - b. For each emissions point identified under subpart a, list the regulated air pollutant(s) emitted.

The owner/operator should note that eleven rows have been provided on the answer sheet for question 15. If the owner/operator requires additional space, he/she may attach as many copies as necessary of page 2 of the answer sheet. Each attached page should have the facility name prominently identified at the top and should be numbered consecutively.

- c. Provide the short-term and annual pre-construction emissions. Short-term emissions should be provided in units of pounds per hour, or other alternate basis such as gallons per day; the owner/operator should specify the unit used. Annual emissions should be provided in units of tons per year.
- d. Provide the short-term and annual post-construction emissions. Short-term emissions should be provided in units of pounds per hour, or other alternate basis such as gallons per day/ the owner/operator should specify the unit used. Annual emissions should be provided in units of tons per year.
- 15. Describe the pre-construction waste disposal practices at this facility.
- 16. Describe the post-construction waste disposal practices at this facility.
- 17. Describe the time period during which the proposed construction would take place.
  - a. Indicate the date on which construction did or will commence. This refers to the date on which the owner/operator first makes a financial commitment to begin construction.
  - b. Indicate the date on which construction is anticipated to begin. This refers to the date on which the physical activity of construction will begin.
  - c. Indicate the date on which construction is anticipated to be completed such that the facility is operational for purposes of shakedown.
- 18. Indicate (yes or no) whether tax credits will be requested once construction is completed.
- 19. The owner/operator is required to sign this application. The application should be signed by the official at the facility responsible for the facility's compliance with air quality regulations and knowledgeable of the truth, accuracy, and completeness of the contents of this application. The official may be the owner, the plant manager, the head of environmental affairs, etc.

Iden	tification	on Info	rmation

2. Legal Company Name:	3. Facility Name: (if different from legal company name
Company Name	Facility Name
Mailing Address	Location Address
City, State, Zip	City, State, Zip
4. Compliance Contact:	5. Information/Clarification Contact:
Name & Title	Name & Title
Mailing Address	Location Address
Area Code & Telephone Number	Ann Code & Talanta a N. ala
cility Information  SIC Codes:	Area Code & Telephone Number
SIC Codes:  Other Department permits? (y/n; if y, sp	pecify type and permit number)  Yes No
SIC Codes:  Other Department permits? (y/n; if y, sp	pecify type and permit number) Yes No
SIC Codes:  Other Department permits? (y/n; if y, sp	pecify type and permit number) Yes No
SIC Codes:  Other Department permits? (y/n; if y, sp  Increased capacity/emissions, new polluta  If applicable, attach a Land Use Compating	pecify type and permit number) Yes No
SIC Codes:  Other Department permits? (y/n; if y, sp  Increased capacity/emissions, new polluta  If applicable, attach a Land Use Compating	pecify type and permit number)  Yes No  ants? Yes No bility Statement.

- 11. Attach relevant forms from Form Series AQ200, Device/Process Forms, if applicable.
- 12. Attach Form AQ301, Control Device Description, if applicable.
- 13. Attach a process flow diagram.

#### **Emissions Data**

14. Pre-and Post-Construction emissions summary data

14. Pre-and Post-0	Construction emission	is sulfulially data			
a. Emissions Point	b. Pollutant	c. Pre-Construc	ction Emissions	d. Post-Construc	tion Emissions
		short-term	annual	short-term	annual
		(specify unit)	(tons/year)	(specify unit)	(tons/year)
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Description of w	aste disposal practices after the construction:	
•	• • •	

Const	ruction	n Data	
17.	Timin	g of construction.	
	a.	Commence date (mm/dd/yy)	
	b.	Begin date (mm/dd/yy)	
	c.	Completion date (mm/dd/yy)	
18.	Will ta	nx credits be requested once construction is completed? Ye	es No
Signat	ture		
19.	Signat	ure	
		I hereby certify that I have completed this application to information herein and in the attached exhibits is true and	
	N	Jame of Authorized Representative	Title
	Š	Signature	Date (mm/dd/yy)



Department of Environmental Quality

Northwest Region 2020 SW Fourth Avenue Suite 400 Portland, OR 97201-4987 (503) 229-5263 Voice TTY (503) 229-5471

KOPPERS INDUSTRIES, INC. 7540 NW St. Helens Road

PORTLAND, OR 97210

RE: PUBLIC NOTICE FOR AIR

CONTAMINANT DISCHARGE PERMIT

PERMIT NO. 26-2930

Your application for an Air Contaminant Discharge Permit has been reviewed by the Department of Environmental Quality and a proposed permit has been drafted. The Department has issued a public notice from March 18, 1998 to April 17, 1998. You are invited to review the attached copy of the proposed permit and submit any comments you may have prior to the end of the notice period.

The public notice is distributed to interested individuals and the media.

All comments received will be evaluated by the Department and action on the proposed permit will be taken in the near future.

Sincerely,

Sandi Hall

Permit Coordinator

Air Quality / Northwest Region

SH:slh

Enclosure

HECEVED

CHERTANDS, INC.

4 8 A 14 1

## Oregon Department of Environmental Quality A CHANCE TO COMMENT ON...

#### **PUBLIC NOTICE**

Comments Due: April 17, 1998

### WHO IS THE APPLICANT:

The following facility has applied for a new Air Contaminant Discharge Permit.

Koppers Industries, Inc. 7540 NW St. Helens Road Portland, Oregon

Permit Number: 26-2930

The DEQ has conducted a preliminary review of this application and is providing an opportunity for public comment.

### WHAT IS PROPOSED:

In March 1975, Koppers Co., Inc. proposed a coal tar pitch processing facility. A permit was written to cover the operation of the proposed facility. In January 1976, the company informed the Department that the proposed operation would not be added to the facility. The permit was modified to allow the marketing of the remaining 3600 tons of coal tar on hand as roofing bitumen. The Department then canceled the permit as the facility reverted to being a terminal facility only.

In response to a complaint in Koppers' geographical area, several facilities were visited. Department staff discovered an oil-fired boiler operating without a permit. The facility contains a 21 MM Btu/hour boiler with the capacity of burning oil. All oil fired boilers greater than 10 MM Btu/hour input capacity in the Portland Air Quality Maintenance Area are required to have an air discharge permit. Because the Department had mistakenly canceled the permit in 1977, no enforcement action was taken against the source.

The company proposes to add an 8 MM Btu/hour natural gas fired hot oil heater to provide heat to storage tanks. Gaseous emissions from the tanks will be ducted to the hot oil heater for incineration. Installation of a heated pipeline is planned in the next two years.

The proposed permit is a new permit for an existing source. The proposed permit will expire on September 1, 2002.

#### PERTINENT AIR PROGRAMS:

At the time of application review, this source was not subject to New Source Performance Standards (NSPS), New Source Review (NSR), Prevention of Significant Deterioration (PSD), or National Emissions Standards for Hazardous Air Pollutants (NESHAPS). The source is located in a maintenance area for ozone and carbon monoxide, the area is in attainment for all other pollutants.

OTHER DEQ **PERMITS** 

Other permits issued to this facility by the Department include a water quality permit NPDES #100419.

ISSUED:

DESCRIPTION OF

Proposed Plant Site Emission Limits at the facility are shown below and are expressed in tons per year,

DISCHARGE:

SO <sub>2</sub>	NO <sub>x</sub>	CO
tons/year	tons/year	tons/year
3.8	13.9	3.5

PM, PM<sub>10</sub>, and VOC are emitted at less than 1.0 tons/year and are not included in the PSEL.

SPECIAL PERMIT **CONDITIONS:**  Special conditions contained in the permit include the requirement to notify the Department upon installation of the 8 MM Btu/hour heater. Also all nuisance condition complaints shall be investigated by a plant representative immediately following receipt of such a complaint. A log of all complaints shall be maintained at the plant site and shall include date of contact, time of observed nuisance condition, description of nuisance condition, location of receptor, and status of plant operation during the observed period.

WHERE TO FIND OTHER **DOCUMENTS:**  Copies of the proposed permit and review report are available at the Central Branch of the Multnomah County Public Library in Portland, Oregon. For technical information, contact Kathy Amidon of DEQ at (503) 229-5568.

The current application is available for public inspection by calling (503) 229-5582. Historical file records, if any, are available for viewing at DEQ's Northwest Region Office, 2020 SW 4th Avenue, Suite 400, Portland, OR 97201. File review hours are 9 a.m. to Noon and 1 p.m. to 4 p.m. Tuesday through Thursday. Call (503) 229-5554 or (TTY) (503) 229-5471. The building is wheelchair accessible and those with special needs should alert this office when making an appointment. This publication is available in alternate format (e.g. large print, Braille) upon request. Please contact DEQ Public Affairs at (503) 229-5317 to request an alternate format.

HOW TO **COMMENT:** 

Written comments should be mailed to: DEQ/AQ, Permit Coordinator, 2020 SW 4th Avenue, Suite 400, Portland, OR 97201-4987. Copies of the proposed permit may be requested from Sandi Hall at (503) 229-5582. Written comments will be accepted by DEQ until 5:00 p.m., April 17, 1998.

HOW TO **REQUEST A HEARING:** 

If written comments indicating significant public interest or written requests from at least 10 persons, or an organization representing at least 10 persons, are received on this application, DEQ will provide a public hearing. Requests for hearing must be in writing and will be accepted by the Department until 5:00 p.m., April 17, 1998.

WHAT HAPPENS NEXT:

The Department will review all information received during the chance to comment period. Following this review, the permit may be issued as proposed, modified or denied.

Permit No.: 26-2930 Expiration Date: 9/1/2002

Page 1 of 6 Pages

#### AIR CONTAMINANT DISCHARGE PERMIT

Department of Environmental Quality
Northwest Region
2020 SW 4th, Suite 400
Portland, Oregon 97201-5884
Telephone: (503) 229-5263

Issued in accordance with the provisions of ORS 468A.040 and based on the land use compatibility findings included in the permit record.

ISSUED TO: INFORMATION RELIED UPON: Koppers Industries, Inc. Application No: 16551 7540 NW St. Helens Road Date received: 8/25/97 Portland, OR 97210-3663 PLANT SITE LOCATION: LAND USE COMPATIBILITY STATEMENT: 7540 NW St. Helens Road From: City of Portland Portland, OR Dated: 9/15/97 ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY: Neil Mullane, Northwest Region Administrator Dated Source(s) Permitted to Discharge Air Contaminants: STANDARD INDUSTRY CODE

TYPE OF FACILITY (from Table 4, OAR 340-28-1750)

58.b. Boiler located in Portland AQMA, 10 MM Btu/hour energy input, distillate oil fired

4961

Permit No.: 26-2930 Expiration Date: 9/1/2002

### Page 2 of 6 Pages

### PROPOSED

#### PERMITTED ACTIVITIES

The permittee is herewith allowed to discharge exhaust gases from those processes and activities directly related to or associated with the air contaminant source(s) listed above in accordance with the requirements, limitations, and conditions of this permit, until such time as this permit expires or is modified or revoked.

Compliance with the specific requirements, limitations and conditions contained herein does not relieve the permittee from complying with all other laws, rules and standards administered by the Department. nor does it allow significant levels of emissions of air contaminants not limited in this permit or contained in the permit application.

#### PERFORMANCE STANDARDS AND EMISSION LIMITS

- 1. Particulate emissions from any single air contaminant source shall not exceed any of the following:
  - 0.2 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air, for sources a. existing prior to June 1, 1970;
  - 0.1 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air, for sources b. installed, constructed, or modified after June 1, 1970; and
  - An opacity equal to or greater than twenty percent (20%) for a period aggregating more C. than three (3) minutes in any one (1) hour, excluding uncombined water vapor.
  - Particulate matter which is larger than 250 microns and which may be deposited upon the d. real property of another person shall not be emitted.
- 2. The permittee shall not allow the emission of odorous matter or other fugitive emissions so as to create nuisance conditions off the permittee's property. Nuisance conditions will be verified by Department personnel. The creation of nuisance conditions may, in addition to any other action the Department may take, result in a permit modification to require a compliance schedule to control the nuisance conditions.

#### OPERATIONS AND MAINTENANCE

- The permittee shall at all times maintain and operate all air contaminant generating processes and 3. all air contaminant control equipment at full efficiency and effectiveness, such that the emissions of air contaminants are kept at the lowest practicable levels.
- The permittee shall minimize fugitive dust emissions by: 4.
  - Treating vehicular traffic areas of the plant site under the control of the permittee.
  - Storing collected material from air pollution control equipment in a covered container or b. other method equally effective in preventing the material from becoming airborne during storage and transfer.

Permit No.: 26-2930 Expiration Date: 9/1/2002 Page 3 of 6 Pages

5. A maintenance service must be performed on the boiler at least once every two years. As a minimum, the service must include an inspection of the burners and refractory chamber, cleaning, adjustment, and repair as necessary. Records of the service shall be maintained on site for a period of at least two years.

#### PLANT SITE EMISSION LIMITS

- 6. Emissions of Sulfur Dioxide on a plant site basis shall not exceed 3.8 tons per year or 10.0 pounds per hour.
- 7. Emissions of Nitrogen Oxides on a plant site basis shall not exceed 13.9 tons per year or 7.0 pounds per hour.
- 8. Emissions of Carbon Monoxide on a plant site basis shall not exceed 3.5 tons per year or 1.8 pounds per hour.

#### AIR POLLUTION EPISODES

- 9. The permittee may elect to file a Source Emission Reduction Plan (SERP) with the Department in accordance with OAR 340-27-015, specifying the procedures the permittee will follow in the event an Air Pollution Alert, Warning, or Emergency Episode is declared in the Portland area by the Department. The Source Emission Reduction Plan shall be available on the source premises for inspection by any authorized personnel.
- 10. In the event an Air Pollution Alert, Warning, or Emergency Episode is declared in the Portland area by the Department, the permittee shall take actions appropriate to the declared Air Pollution Episode as listed in the Source Emission Reduction Plan on file with the Department, or with Oregon Administrative Rules 340, Division 27 "Air Pollution Emergencies" if no Source Emission Reduction Plan has been filed with the Department.

Air Pollution Episodes will be declared by the Department and information will be made available through the radio and television media.

#### SPECIAL CONDITIONS

- 11. The permittee shall notify the Department in writing of the date the new hot oil heater is started up. The notification shall be submitted no later than seven (7) days after startup.
- 12. All nuisance condition complaints shall be investigated by a plant representative immediately following receipt of such a complaint. A log of all complaints shall be maintained at the plant site and shall include date of contact, time of observed nuisance condition, description of nuisance condition, location of receptor, and status of plant operation during the observed period.

Permit No.: 26-2930 Expiration Date: 9/1/2002

Page 4 of 6 Pages

### PROPOSED

a. The nuisance complaint log shall be maintained on site for a period of not less than two years, and be made available to Department representatives upon request.

#### **MONITORING REQUIREMENTS**

- 13. The permittee shall effectively inspect and monitor the operation and maintenance of the plant and associated air contaminant control facilities and shall implement the procedures necessary to monitor and record the following parameters. A record of all such data shall be maintained for a period of two years at the plant site for inspection by the authorized representatives of the Department.
  - a. All operating and production parameters to be reported to the Department annually as required in Condition 14.
  - b. Excess emissions records as defined in OAR 340-28-1400 through 340-28-1440 (recorded on occurrence)
  - c. A description of any maintenance to the air contaminant control system (recorded on occurrence)

#### REPORTING REQUIREMENTS

- 14. The permittee shall submit to the Department by January 15 of each year this permit is in effect two (2) copies of the following information for the preceding calendar year:
  - a. Operating parameters:
    - i. Total boiler operating time (hours/year)
    - ii. Total hot oil heater operating time (hours/year)
    - iii. Highest sulfur content of oil burned (obtained from supplier)
    - iv. Types and quantities of fuels burned (gallons or MMCF)
    - v. Average plant operating schedule (hours/day, days/week, weeks/year)
  - b. A log of all planned and unplanned excess emissions in accordance with OAR 340-28-1440.
  - c. A summary of all odor complaints received during the year; by specifying the number of complaints on each date that complaints were received.
  - d. Explain any permanent changes made in the plant process or production which would effect air contaminant emissions, and indicate when changes were made.
  - e. List all major maintenance performed on air pollution equipment

Permit No.: 26-2930 Expiration Date: 9/1/2002 Page 5 of 6 Pages

f. The report shall be sent to the Northwest Region, 2020 SW 4th Ave., #400, Portland, Oregon 97201-5884 unless otherwise noted. The permit number must be prominently displayed on the report.

#### FEE SCHEDULE

15. The Annual Compliance Determination Fee for this permit is due on August 1 of each year this permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date. The fee shall be submitted to the Business Office of the Department in Portland (unless otherwise notified).

#### GENERAL CONDITIONS AND DISCLAIMERS

- G1. The permittee shall allow Department of Environmental Quality representatives access to the plant site and pertinent records at all reasonable times for the purposes of making inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emission discharge records and otherwise conducting all necessary functions related to this permit in accordance with ORS 468.095.
- G2. The permittee shall have available at the facility at all times a copy of the Air Contaminant Discharge Permit.
- G3. The permittee is prohibited from conducting open burning.
- G4. The permittee shall at all times conduct dust suppression measures to meet the requirements set forth in "Fugitive Emissions" and "Nuisance Conditions" in OAR 340-21-050 through 340-21-060 and in OAR 340-30-440.
- G5. The permittee shall immediately (i.e. as soon as possible but in no case more than one hour after the beginning of the excess emission period) notify the Department by telephone or in person of any excess emissions which are of a nature that could endanger public health, in accordance with OAR 340-28-1430. Follow-up reporting shall be made in accordance with Department direction and OAR 340-28-1430(3) and 340-28-1440.

Notification shall be made to the appropriate regional or branch office. The current Northwest Region telephone number is (503) 229-5554.

In the event of any excess emissions which are of a nature that could endanger public health and occur during non-business hours, weekends, or holidays, the permittee shall immediately notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.

G6. The permittee shall notify the Department in writing using a Departmental "Notice of Construction" form, or "Permit Application Form", and obtain approval in accordance with OAR 340-28-800 through 340-28-820 before:

Permit No.: 26-2930 Expiration Date: 9/1/2002 Page 6 of 6 Pages

- a. Constructing or installing any new source of air contaminant emissions, including air pollution control equipment, or
- b. Modifying or altering an existing source that may significantly affect the emission of air contaminants, or
- c. Making any physical change which increases emissions, or
- d. Changing the method of operation, the process, or the fuel use, or increasing the normal hours of operation to levels above those contained in the permit application and reflected in this permit and which result in increased emissions.
- G7. Application for a modification of this permit must be submitted not less than 60 days prior to the source modification. A Filing Fee and an Application Processing Fee must be submitted with an application for the permit modification.
- G8. The permittee shall notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:
  - a. legal change of the registered name of the company with the Corporations Division of the State of Oregon, or
  - b. sale or exchange of the activity or facility.

Applicable Permit Fees must be submitted with an application for the name change.

- G9. Application for renewal of this permit must be submitted not less than 60 days prior to the permit expiration date. A Filing Fee, an Application Processing Fee and an Annual Compliance Determination Fee must be submitted with the application for the permit renewal.
- G10. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
- G11. This permit is subject to revocation for cause as provided in OAR 340-14-045.

#### ALL INQUIRIES SHOULD BE DIRECTED TO:

Department of Environmental Quality Northwest Region 2020 SW 4th, Suite 400 Portland, Oregon 97201-4987 Telephone: (503) 229-5554

Permit Number: 26-2930 Application No.: 16551 Page 1 of 4 Pages

### Department of Environmental Quality Northwest Region AIR CONTAMINANT DISCHARGE PERMIT APPLICATION REVIEW REPORT

Koppers Industries, Inc. 7540 NW St. Helens Road Portland, OR 97210-3663

SOURCE TEST	AMB MON	COMPL SCHED	SPEC COND	RPT FREQ	EXCESS RPT	NSPS	NSR	PSD	NESHAP	SIZE	PUB NTC
				A	<u></u>					A-2	Y

#### GENERAL BACKGROUND INFORMATION

1. This is a new permit for an existing source. In March 1975, Koppers Co., Inc. proposed a coal tar pitch processing facility. A permit was written to cover the operation of the proposed facility. In January 1976, the company informed the Department that the proposed operation would not be added to the facility. The permit was modified to allow the marketing of the remaining 3600 tons of coal tar on hand as roofing bitumen. The Department then canceled the permit as the facility reverted to being a terminal facility only.

In response to a complaint in Koppers' geographical area, several facilities were visited. Department staff discovered an oil-fired boiler operating without a permit. The facility contains a 21 Mm Btu/hour boiler with the capability of burning oil. Under OAR 340-28-1750, Table 4 (formerly OAR 340-20-155, Table 1), all oil fired boilers greater than 10 MM Btu/hour input capacity in the Portland Air Quality Maintenance Area are required to have an air discharge permit. Because the Department had mistakenly canceled the permit in 1977, no enforcement action was taken against the source.

The company proposes to add an 8 MM Btw/hour natural gas fired hot oil heater to provide heat to storage tanks. Gaseous emissions from the tanks will be ducted to the hot oil heater for incineration. Installation of a heated pipeline is planned in the next two years.

The facility is located in a maintenance area for carbon monoxide and ozone. Two contributors to ozone, nitrogen oxides (NO<sub>x</sub>) and volatile organic compounds (VOC), are regulated pollutants. The facility is an insignificant source of CO, NO<sub>x</sub>, and VOC. The area is in attainment for all other pollutants.

Permit Number: 26-2930 Application No.: 16551 Page 2 of 4 Pages

- 3. A Land Use Compatibility Statement signed by the City of Portland on September 15, 1997 granted unconditional approval.
- 4. The Department has issued a water quality permit to this facility, NPDES 100419.

5. Existing air contaminant sources at the facility consist of the following:

	MFG/MODEL	CAPACITY/	SCC*	INSTALLED/
EQUIPMENT	·	PROD. RATE		MODIFIED
Oil-fired boiler	N. American	21 MM Btu/hr	3-06-001-03	1965
Gas-fired heater		8 MM Btu/hr	3-06-001-02	1998/99

<sup>\*</sup>Source Classification Code, U.S. EPA reference

#### PLANT SITE EMISSION LIMIT (PSEL) INFORMATION

#### ORIGINAL PLANT SITE EMISSION LIMIT

6. The facility was in operation during the baseline years. Baseline year information has not been provided, however, so no Baseline Emission Rates have been established.

#### PROPOSED PLANT SITE EMISSION LIMIT

- 7. The normal operating schedule for the equipment is 24 hrs/day x 7 days/wk x 52 wks/yr = 8,736 hrs/yr.
- 8. Normal annual fuel usage is 100,000 gallons of diesel oil and 184 million cubic feet. Maximum hourly fuel burned is 150 gallons of diesel oil and/or 30,000 cubic feet of natural gas.
- 9. An emission summary is below. Refer to the Plant Site Emission Detail Sheet, attached.

Source	PM tons/yr (lbs/hr)	PM <sub>10</sub> tons/yr (lbs/hr)	SO <sub>2</sub> tons/yr (lbs/hr)	No <sub>x</sub> tons/yr (lbs/hr)	CO tons/yr (lbs/hr)	VOC tons/yr (lbs/hr)
Oil combustion	0.1 (0.3)	0.5 (0.1)	3.6 (9.9)	1.0 (2.8)	0.3 (0.7)	0.01 (0.03)
Gas combustion	0.2 (0.1)	0.2 (0.1)	0.2 (0.1)	12.9 (4.2)	3.2 (1.1)	0,30 (0.1)
Totals	0.3 (0.4)	0.7 (0.2)	3.8 (10.0)	13.9 (7.0)	3.5 (1.8)	0.31 (0.1)

Permit Number: 26-2930 Application No.: 16551 Page 3 of 4 Pages

10. Only the pollutants that will be emitted at the level of 1.0 ton/year or more have been included in the Plant Site Emission Limit, shown below.

Pöllutant	Short-Term Limit	Annual Limit
Sulfur dioxide (SO2)	10.0 Lb/Hour	3.8 Ton/Year
Nitrogen oxides (NOx)	7.0 Lb/Hour	13.9 Ton/Year
Carbon Monoxide (CO)	1.8 Lb/Hour	3.5 Ton/Year

#### SIGNIFICANT EMISSION RATE

11. The Plant Site Emission Limit increase over baseline is less than the Significant Emission Rate (SER) as defined in OAR 340-28-110 for all pollutants and is shown below. No further air quality analysis is required for those pollutants.

Pollutant	Baseline (tons/yr)	Current PSEL (tons/yr)	Increase (tons/yr)	SER (tons/yr)
SO2	0	3,8	3.8	40
NOx	0	13.9	13,9	40
СО	0	3,5	3.5	100

#### ADDITIONAL REQUIREMENTS

- 12. Special conditions contained in the permit include the requirement to notify the Department upon installation of the 8 MM Btu/hour heater.
- 13. The source is required to submit reports to the Department annually.
- 14. The source is not subject to immediate (within one hour) reporting of excess emissions, except when the emissions may endanger public health.
- 15. This source is not subject to federal regulations for New Source Performance Standards (NSPS).
- 16. This source is not subject to federal regulations for New Source Review.
- 17. This source is not subject to federal regulations for Prevention of Significant Deterioration (PSD).
- 18. This source is not subject to federal regulations for National Emissions Standards for Hazardous Air Pollutants (NESHAP).

Permit Number: 26-2930 Application No.: 16551 Page 4 of 4 Pages

#### **PUBLIC NOTICE**

The configuration of the plant differs greatly from the time the last permit was issued. Therefore the permit will be placed on public notice from March 18, 1998 to April 17, 1998.

KAmidon:Edruback 2/10/1998

						T	Ī	1	T
Koppers Ind.	1			1		<del> </del>	<del> </del>	<del> </del>	<del> </del>
ACDP 26-2930	<del>                                     </del>			1			†	<del>                                     </del>	<del> </del>
	T		Plant Si	te Em	ission Detail	Sheet			<b>†</b>
	<del> </del>	ļ	<del> </del>			<del> </del>	<del> </del>	<del> </del>	├
	<del>}</del>	Fuel Usages	Pollutant	DEQ F	I Emission Factor	-	Fmis	sions	<del> </del>
Fuel:	<del> </del> -	Lorotogoo	, onder	Bedi	ZITILOSION T ACIO	<del> </del>		5,01,5	<del>                                     </del>
Oil, distillate	100	Thou. Gallons/year	PM	2	Lb/1,000 gal.	0.10	Tons/yr	0.28	Lb/hr
		Gal./hour	PM10	1	Lb/1,000 gal.		Tons/yr		Lb/hr
	<del>                                     </del>		\$02	71	Lb/1,000 gal.		Tons/yr		Lb/hr
	<del> </del>		Nox	20			Tons/yr		Lb/hr
	<del> </del>		co	5	Lb/1,000 gal.		Tons/yr		Lb/h
	<del> </del>		VOC	0.2	Lb/1,000 gal.		Tons/yr		Lb/h
	<del> </del>			1	Est fland gail		100,00	0.50	
Natural gas	184	MM Cubic Ft./year	PM	2.5	Lb/MMCF	0.23	Tons/yr	0.08	Lb/hr
		MM Cubic Ft./hour	PM10	2.5			Tons/yr		Lb/hr
	1		SO2	2.6	Lb/MMCF		Tons/yr		Lb/hr
			Nox	140	Lb/MMCF	12.88	Tons/yr	4.20	Lb/hr
			CO	35	Lb/MMCF	3.22	Tons/yr	1.05	Lb/hr
			VOC	2.8	Lb/MMCF		Tons/yr		Lb/hr
				T					
			· · · · · · · · · · · · · · · · · · ·			Emiss	ion Limit	S	
			-						
Note: PM, PM10	Note: PM, PM10, and VOC are emitted at				SO2	3.8	Tons/yr	10.0	Lb/hr
	year and are not			Nox	13.9	Топѕ/уг		Lb/hr	
		ant Site Emission Lir	nits.		CO	3.5	Tons/yr	1.8	Lb/hr

October 12, 2005

Elliot Zais, PhD Oregon Department of Environmental Quality 2020 SW 4<sup>th</sup> Avenue, 1<sup>st</sup> Floor Portland, Oregon 97201

Re: Koppers Industries, Inc.: NPDES Permit Renewal, Permit No. 101642 7540 NW St. Helens Road, Portland Oregon

Dear Dr. Zais:

As you are aware, I have been retained by Koppers Industries, Inc. (Koppers) to evaluate changes DEQ has proposed for the renewal of Koppers' NPDES Stormwater Permit, Permit No. 101642 (Permit).

I have reviewed DEQ's proposed permit modifications, the Applicant Review comments, and your letter of August 25, 2005 responding to those comments. As part of our effort to understand DEQ's authority and rationale for the significant proposed Permit changes, please provide responses to the following questions and issues.

# 1. Rationale for Effluent Limitations.

In the draft Permit, which was sent out for Applicant Review on 8/6/2004, it appears that the limit for PAH has gone from 1000 mg/L to Non Detect (ND), and new effluent limitations have been proposed for Benzene (25 mg/L), BTEX (250 mg/L), and Cyanide (5.2 mg/L).

#### A. Proposed Permit Limits.

Under the current Permit, Koppers has consistently discharged within its Permit effluent limit for PAH of 1000 mg/L. Now DEQ is proposing a limit of "not detect" which effectively mandates treatment of the previously permitted discharge. Furthermore, new limits for Benzene, BTEX and Cyanide appear in the Applicant Review draft Permit.

In response to Koppers' earlier questions about how DEQ came to these new effluent limits, you state in an August 25, 2005 letter that DEQ was following its authority under OAR 340-041-0033(3), which provides:

To establish permit or other regulatory limits for toxic substances for which criteria are not included in Tables 20, 33A, or 33B, the department may use the guidance values in Table 33C, public health advisories, and other published scientific literature. The department may also require or conduct bio-assessment studies to monitor the toxicity to aquatic life of complex effluents, other suspected discharges, or chemical substances without numeric criteria.

DEQ Letter October 13, 2005 Page 2

### ORS 340-41-0033(1) further states:

Toxic substances may not be introduced above natural background levels in waters of the state in amounts, concentrations, or combinations that may be harmful, may chemically change to harmful forms in the environment, or may accumulate in sediments or bioaccumulate in aquatic life or wildlife to levels that adversely affect public health, safety, or welfare or aquatic life, wildlife, or other designated beneficial uses.

From these provisions, it appears that the regulation of effluent discharge of toxics is conditional on a finding that the discharge is above background levels, poses a risk of harm to wildlife or humans or may accumulate in sediments or aquatic life. We request an explanation as to how DEQ believes these criteria have been met.

As to your citation to narrative criteria, OAR 340-041-0007 Narrative Criteria provide as follows:

- (12) The creation of tastes or odors or toxic or other conditions that are deleterious to fish or other aquatic life or affect the potability of drinking water or the palatability of fish or shellfish may not be allowed;
- (13) The formation of appreciable bottom or sludge deposits or the formation of any organic or inorganic deposits deleterious to fish or other aquatic life or injurious to public health, recreation, or industry may not be allowed;
- (14) Objectionable discoloration, scum, oily sheens, or floating solids, or coating of aquatic life with oil films may not be allowed;

Again, the focus appears to be on the creation of conditions that will have a deleterious impact to fish, human health and recreation, and it is not clear on what basis DEQ may have concluded a violation of narrative standards exists.

Again referring to the citations in you August 25, 2005 letter, there do not appear to be any guidance values in Table 33C which correspond to the proposed Permit limits. Koppers has not been made aware of any specific public health advisories, published scientific literature or bio-assessment studies related to Koppers' discharge.

We understand DEQ has authority under its delegated CWA program to modify effluent limitations in NPDES permits to attain or maintain water quality standards (see 33 U.S.C. §1312(a)) in order to protect beneficial uses such as drinking water, fish and shellfish, and recreational uses. What is not clear is whether (or how) DEQ has determined that Koppers' current discharge limits might need to be modified to protect any specific beneficial use.

DEQ Letter October 13, 2005 Page 3

### B. Application of Cleanup Standards to NPDES Discharge.

From our review and discussions, it appears that DEQ is applying the most stringent Portland Harbor Superfund (eco-risk) Screening Level Values (SLVs) in setting the effluent limits for Koppers' NPDES draft Permit. This raises several questions.

First, on what basis has DEQ determined that cleanup SLVs should apply to Koppers' Clean Water Act NPDES discharge? The cleanup rules in ORS Chapter 340, Division 122, only apply when there is a "release or threat of release" as defined in ORS 465.200(21). As you point out in your August 25, 2005 letter DEQ cleanup laws (and CERCLA) provide an exemption to cleanup liability for permitted NPDES discharges. You cite OAR 340-122-0030 with the implication that DEQ has determined that the cleanup rules apply in our case. Again, has determined (as required by OAR 340-122-0030(2)) that Koppers' discharge is causing a "deposition, accumulation, or migration" of contaminants and poses a threat to the health and safety of humans or the environment?

We understand that DEQ and EPA have developed a joint source control strategy for the Portland Harbor. In this regard, some guidance is provided in the *Interim Final* Joint Source Control Strategy (JCSC), wherein it states in section 5.3:

"Piped stormwater discharges to surface water are fundamentally different than groundwater discharges. Groundwater discharges have the potential to exert toxic effects on the benthic community with little or no dilution. However, piped discharges of soluble contaminants are typically diluted through rapid mixing with the waters of the receiving body."

In this regard, has DEQ considered that the groundwater surfacing on the Koppers leased property is likely no different than the groundwater entering the Willamette River from the site in general? Has DEQ concluded that Koppers' batch discharges somehow increase the contaminants above background levels, i.e., above the water quality leaving the site via groundwater? Koppers is not pumping any groundwater and the vast majority of its discharges occur during periods of high dilution (i.e., high rainfall and high river levels). Moreover, the JCSC also acknowledges that the conditional exemption for permitted discharges only applies if there is accumulation in sediment. As with the water quality regulations, discussed above, there seems to be a threshold question about the real impact of Koppers currently permitted discharge that has not been fully articulated by DEQ.

Based on my review of the Portland Harbor "Framework for Portland Harbor Storm Water Screening Evaluations" (August 2005) (SWSE), which is a companion document to the JCSC, it appears that the eco-risk screening levels focus on the risk that contaminated sediments, related interstitial groundwater, and surface water impacted by such sediment pose to the benthic community, fish, and other beneficial uses. As recognized in the JSCS, this appears to be a very different analysis than whether a transient stormwater discharge creates any chronic or acute deleterious conditions, or whether such a discharge poses any risk of accumulating in sediments.

DEQ Letter October 13, 2005 Page 4

The JSCS also discusses a "weight of evidence" approach to analyzing storm water discharge risk and it is not clear if DEQ has already engaged in such a process.

# 2. Additional Permit Limits and Monitoring.

Koppers previously requested that DEQ explain the rationale for additional sampling requirements, including cyanide, pesticides, metals, tars, oils, and petroleum distillates. Some explanation would be appreciated. We have some concerns about costly sampling to analyze contaminated groundwater unrelated to Koppers stormwater.

# 3. Contaminated Aquifer Policy.

I also wish to know if DEQ has appropriately considered its "Contaminated Aquifer Policy" (5/20/04) in evaluating the application of cleanup standards to Koppers NPDES draft Permit. In past meetings and correspondence, DEQ has conceded that the groundwater that is infiltrating the Koppers sumps (via entirely natural processes) is part of Northwest Natural's ongoing groundwater remediation. This raises a serious questions about whether Koppers should be responsible for cleanup (i.e., treatment) of this contaminated groundwater under the Contaminated Aquifer Policy, which states:

It is DEQ's policy, subject to specific conditions listed below, that where hazardous substances in groundwater have come to be located at a property, solely as the result of subsurface migration from a source or sources outside the property, DEQ will not take enforcement action against the owner or operator of the impacted property to require the performance of remedial actions or the payment of remedial action costs associated with the contaminated groundwater.

Under this policy, if DEQ is applying cleanup regulations, remedial actions or standards to Koppers via the NPDES Permit process, then such action would appear to be contrary to DEQ's statewide Contaminated Aquifer Policy. Some comment from DEQ on this issue would be helpful.

#### 4. Additional Comments.

As I stated at the outset of this letter, Koppers goal at this time is to better understand DEQ's rationale for the significant proposed changes to the NPDES Permit, and the significant related costs. We will continue to work with DEQ while considering all our options, and clarification on the above points will be very helpful in this effort.

Very truly yours,

RYCEWICZ & CHENOWETH, LLP

Christopher W. Rich Email: crich@northwestlaw.com



# **Department of Environmental Quality**

Northwest Region Portland Office 2020 SW 4<sup>th</sup> Avenue, Suite 400 Portland, OR 97201-4987 (503) 229-5263 FAX (503) 229-6957 TTY (503) 229-5471

25 August 2005

Traci Self Koppers Inc. 436 7<sup>th</sup> Ave. Room K-1800 Pittsburg PA 15219-1800

Re: NPDES permit

Dear Ms. Self:

This letter is in response to your request on 14 July 2005 for further justification of the conditions we proposed for the NPDES permit for the Koppers site in Portland at 7540 NW St Helens Road.

In order to issue an NPDES permit, DEQ is required to look at all parts of the waste stream. For this facility, the waste stream has always been characterized as tank farm runoff water, i.e., storm water and boiler blowdown water. Previous permits before 1988 also included non-contact cooling water. The containment areas are presumed to be competent and to not allow a connection to groundwater. We have analytical data that suggest Koppers' discharge has a chemical signature very similar to water being pumped as part of NW Natural's groundwater remediation. This NPDES permit does not authorize the discharge of contaminated groundwater. If Koppers is, indeed, intersecting groundwater in the containment area and discharging it, it would be an unpermitted discharge. The permit would have to be modified to include this waste stream, any appropriate effluent limitations, and any additional monitoring requirements.

Therefore, the Department would request any information Koppers has that provides the necessary engineering evaluation to demonstrate that the permitted system does not contain contaminated groundwater. Specifically, the evaluation would have to show that the storm water contaminated areas are not influenced by groundwater.

Mr. Kamerer inquired about DEQ's legal authority to set additional limits that are not directly addressed in Tables 20, 33A, and 33B. The following citation from the Oregon Administrative Rules speaks to his question.

"OAR 340-041-0033(3) To establish permit or other regulatory limits for toxic substances for which criteria are not included in Tables 20, 33A, or 33B, the department may use the guidance values in Table 33C, public health advisories, and other published scientific literature. The department may also require or conduct bio-assessment studies to monitor the toxicity to aquatic life of complex effluents, other suspected discharges, or chemical substances without numeric criteria."



The email and the Hahn and Associates, Inc. report I forwarded to you around 3 August 2005 provided some additional information about the Department's continuing investigations on the Gasco site and in Portland Harbor. Source control is a major issue which must be dealt with in order to do an effective cleanup. The soon to be released Joint Source Control Strategy document will lay out the DEQ/EPA plan to clean up the harbor.

Normally, a facility discharging in compliance with an NPDES permit is exempt from cleanup rules. However, if the discharge is causing accumulation of toxic materials to unsafe levels, the discharger's permit may no longer be appropriate. The following is the relevant part of the Oregon Administrative Rules (OAR).

# OAR 340-122-0030 Scope and Applicability

These rules apply to the release or threat of release of hazardous substances into the environment, except as provided below:

- (1) Exempted Releases. These rules shall not apply to releases exempted pursuant to ORS 465.200(21)(a), (b), (c), and (d).
- (2) Conditional Exemption of Permitted Releases. These rules do not apply to permitted or authorized releases of hazardous substances, unless the Director determines that application of these rules might be necessary in order to protect public health, safety or welfare, or the environment. These rules may be applied to the deposition, accumulation, or migration resulting from otherwise permitted or authorized releases.

The Department sees the following possibilities for the Koppers facility:

- 1. Koppers could choose to work with NW Natural and maybe other tenants and build a treatment system which will be viewed as adequate, such as a GAC system. The NPDES permit for the discharge could be held individually by NW Natural or jointly by all the dischargers.
- 2. Koppers could choose to continue the renewal process for the current permit. This permit would include the limits in the 6 August 2004 applicant review draft permit. Discharge would be possible to either Doane Creek or to the Willamette River.

Please contact me at your earliest convenience to discuss this further.

Sincerely,

Elliot J. Zais, PhD, PE Senior Environmental Engineer Northwest Region

cc: Amos Kamerer and T. J. Turner



# **KOPPERS**

FAX TRANSMITTAL

7540 N.W. Saint Helens Rd. Portland. Oregon 97210-3663 Phone: (503) 286-3681

Fax: (503) 285-2831 Web Page: www.koppers.com

TO: J. Dietz L. Hyde, T. Self	DATE: 11/11/05
FROM: Amos	TOTAL = OF PAGES: 6
Dea my email -	
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IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 50	3-286-3681 FAX:# 503-285-2831
FILS - PORTIAND-	-BN - NPDBS



Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

October 3, 2005

Koppers Industries, Inc. Amos Kamerer 7540 NW St. Helen's Rd. Portland, OR 97210

Re: Stormwater discharge to City of Portland sewer system.

#### Dear Mr. Kamerer;

In response to your request for stormwater discharge to the City sewer system dated September 28, 2005; the city has discharge limits that will need to be met before discharge can be allowed. The following is the current local limitations in effect at this time.

Polimant Name	Local Limit Daily Max (mg/L)	10/26/05 SAMPLE TEST RESULTS
Arsenic	0.2	ND
Cadmium	0.7	NO
Chromium	5,0	ND
Copper	3.7	1,0
Lead	0.7	0.03
Mercury	0.010	0,000 11
Molybdenum	1.4	ND
Nickel	2.8	140
Selenium	0.6	NO
Silver	Π 4	NÕ
Zinc		0.39
NON-METALS INORGA Cyanide		NO
pН	5.0-11.5 su	•
Sulfide	4.0	ND

#### NON-METALS (ORGANICS)

	Standard and Standard and American	NO
1,2-Dickloroethane	0.50	, -
2,4-Dinitrotoluene	0.13	NO
Acrylonitrile	1.00	NO
Chlordane	0.03	NO
Chiqrobenzone	0.20	NO
Chloroform	0.20	NO
Nitrobenzene	2.00	NO
Pentachlorophenol	0.04	NO
Trickloroethylene	0.20	ND
Non-polar Oil & Grease	110	MO

Sampling listed in your submittal indicated high readings for Selenium: 6.9 mg/l and for Zinc, 6.3 mg/l. Benzene at 29 mg/l would also be a concern. If you want to consider pretreating the discharge to local limitations you may apply for a permit at any time. I am also enclosing a copy of the City Code which includes the local limits for your review.

If you have comments or questions as you read through the materials, please do not hesitate to contact me at 823-7230.

Respectfully,

Ann O'Roke, Permit Manager Industrial Source Control Division

A 164 (1-21/2)

Cc: Industry File



CLIENT: Koppers Industries, Inc.

ATTN: T.J. Turner

7540 NW St. Helens Road Portland OR, 97210-3663

PHONE: (603) 286-3681

FAX: (503) 285-2831

SUBMITTED: 10/26/05 12:05

PROJECT NAME: Boller Blowdown Water Test

REPORT DATE:	11/08/05 15:56	REPORT NUN	BER: 510260	<u> </u>			PAGE: 1 0
CI SAMPLE	CLIENTS ID#		DAT	E TIME	MATRIX		
5102804-01	Boller Blowdown Gmit	Sample	10/2	6/2005 100D	Water	_	
BAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	тесн	DATE/TIME
B1028 <b>04</b> -01	SAMPLE ID: Boile	r Blowdown Grab Sample					
General Bench A	nalysis						
CYANIDE, TOTAL	SM 4500-CN-B-C	CYANIDE	ND	mg/L,	0.0030	MES	11/03/2005 10:11
D & G, NP SGT-HEM)	EPA 1884	NONPOLAR OIL & GREASE	ND	mg/L	2	JRW	11/07/2005 15:12
BULFIDE	EPA 376,1	SULFIDE	ND	mg/L	1.0	MES	11/01/2005 15:58
Total Mercury by	Cold Vapor Atomi	c Fluorescence					
MERCURY CV AF	EPA 245,7/1831	MERCURY	0,00011	mg/L	0.000060	KEL	11/03/2005 12:24
Total Metals by In	ductively Coupled	I Plasma					
ARSENIC - ICP	EPA 200,7/8010B	ARSENIC	ND	mp/L	0,010	KEL	10/27/2005 14:08
CADMIUM - ICP		CADMIUM	ND	mg/L	0,003	KEL	10/27/2005 14:08
CHROMIUM - ICP		CHROMIUM	ND	mg/L	0.005	KEL	10/27/2005 14:08
COPPER - ICP		COPPER	1.0	mg/L	0.008	KEL	10/27/2005 15:58
EAD - ICP	<del></del>	LEAD	0.030	mg/L	0,005	KEL	10/27/2006 14:08
MOLYBDENUM - ICP	*** * * *******************************	MOLYBDENUM	ND	mg/L	0.005	KEL	10/27/2006 15:58
VICKEL - ICP		NICKEL	ND	mg/L,	0,020	KEL	10/27/2005 15:58
SELENIUM - ICP		SELENIUM	ND	mg/L	0.10	KEL	10/27/2005 14:08
SILVER - ICP	· · · · - <del></del>	SILVER	ND ND	mg/L	0.010	KEL	10/27/2006 16:38
		ZINC	0.39	mg/L	0.003	KEL	10/27/2005 15:58
ZINC - ICP				IIIQ/L	0,003	NEL	10/2//2003 13.30
	•	graphy/Mass Spectroscopy		_			
VOC 624 Extended	EPA 624	ACROLEIN	ND	mg/L	D,10D	JRW	11/04/2005 10:4B
		ACRYLONITRILE	ND ND	mg/L	0.0100		
		BENZENE BROMOCHLOROMETHANE	ND ND	mg/L mg/L	0,0005 0,0005		
		BROMODICHLOROMETHANE	ND	mg/L	0.0005		
		BROMOFORM	ND	mg/L	0.0005		
		CARBON TETRACHLORIDE	ND	mg/L	0,0005		
		CHLOROBENZENE	ND	ma/L	0.0005		*
		CHLORODIBROMOMETHANE	ND	mg/L	0,0005		
		CHLOROETHANE	ND	mg/L	0,0008	_	
		2-CHLOROETHYL VINYL ETHER	ND	mg/L	0,0005	$ \boldsymbol{\Omega}$	
		tert-BUTYLBENZENE	ND	mg/L	0,0006	<i>UI</i>	PIGINAL
		CHLOROFORM	ND	mg/L	0,0005	•	MAILAL
		CHLOROMETHANE	ND	mg/L	0,0005		,
		1,2-DICHLOROBENZENE	ND	mg/L	0.0005		
		1,3-DICHLOROBENZENE	ND	mg∕l.	0.0005		
		1,4-DICHLOROBENZENE	ND	mg∕L	0.0005		
		1,1-DICHLOROETHANE	ND	mg/L	0.0005		
		1,2-DICHLOROETHANE	ND	mg/L	0.0005		
		1,1-DICHLORGETHYLENE	ND	mg/L	0,0005		
		1,2-DICHLOROPROPANE	ND	mg/L	0.0005		
		TRANS-1,3-DICHLOROPROPENE	ND	mg/L	0,0005		
		CIS-1,3-DICHLOROPROPENE	ND	mg/L	0.0005		

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Authorized for Release By:

David J. Melander For Richard D. Reld - Laborator

COLUMBIA INSPECTION, INC.

7133 N. Lombard, Portland, OR 97203 Phone:(503) 286-9464 Fax:(503) 286-5355 E-mail:lab@ColumbiaInspection.com



SAMPLE/	REPORT DATE: 11/08/05 18:23 REPORT NUMBER: 5102604			) <b>4</b>			PAGE: 2 C
ANALYSIB	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
6102804-01		r Blowdown Grab Sample					
/olatile Organics	by Gas Chromate	ography/Mass Spectroscopy					
/OC 624 Extended	EPA 824	TRANS-1,2-DICHLOROETHENE	ND	mg/L	0.0005	JRW	11/04/2005 10:48
		CIS-1,2-DICHLOROETHENE	ND	mg/L	0.0005		
		ETHYLBENZENE	ND	mg/L	0.0005		
		METHYL BROMIDE	ND	mg/L	0.0006		
		METHYL CHLORIDE	ND	mg/L	0.0008		
		METHYLENE CHLORIDE	ND	mg/L	0.000.0		
		METHYL-TERT-BUTYL ETHER (MTBE)	ND	mg/L	0.0005		
		NAPHTHALENE	ND	mg/l.	0.0005		
		STYRENE	ND	mg/L	0.0005		
		1,1,2,2-TETRACHLOROETHANE	ND	mg/L			
		TETRACHLOROETHENIE		-	0.0005		
		TOLUENE	ND	mg/L	0.0005		
			ND	mg/L	0,0006		
		1,1,1-TRICHLOROETHANE	ND	mg/L	0,0005		
		1,1,2-TRICHLOROETHANE	ND	mg/L	0.0005		
		TRICHLOROETHYLENE	ND	mg/L	0.0005		
		TRICHLOROFLUORMETHANE	ND	mg/L	0.0005		
		VINYL CHLORIDE	ND	mg/L	0.0008		
		DIBROMOMETHANE	ND	mg/L	0,000\$		
		1,2-DIBROMOETHANE	ND	mg/L	0.000B		
		1,1,1,2-TETRACHLOROSTHANE	ND	mg/L	0.0006		
		M- & P-XYLENE	ND	mg/L	0,0005		
		O-XYLENE	ND	mg/L	0.0005		
		1,2,3-trichloropropane	ND	mg/L	0,0005		
		1,2-DIBROMO-3-CHLOROPROPANE	ND	mg/L	0.0005		
		Surrogate; Dibromofluoromethane	95,6 %	%RECOVERY	50-150		
		Surrogate: Fluorobenzene	70.9 %	%RECOVERY	50-150		
	Surrogate; Chlorobenzent-d5	151 %	%RECOVERY	50-180			
		Surrogate: 1,4-Dichlorobenzene-d4	69,1 %	%RECOVERY	60-150		
emi-Volatile Or	ganics by Gas Chr	omatography/Mass Spectroscopy					
emi-Volatile On CID SEMIVOLS 628		omatography/Mass Spectroscopy PENTACHLOROPHENOL	ND	mg/L	0.0200	DM ·	10/27/2005 23:53
		PENTACHLOROPHENOI.		mg/L %RECOVERY	0,020D 20-150	DM ·	10/27/2005 23:53
		PENTACHLOROPHENOI. Surrogate; Phenol-48	32.1 %	%RECOVERY	20-150	DM ·	10/27/2005 23:53
CID SEMIVOLS 625		PENTACHLOROPHENOI. Surrogate: Phenoi-48 Surrogate: 2,4,8-Tribromophenol	32.1 % 102 %	%RECOVERY %RECOVERY	20-150 50-150		
CID SEMIVOLS 625		PENTACHLOROPHENOL Surrogate: Phenol-d8 Surrogate: 2,4,8-Tribromophenol ACENAPHTHENE	32.1 % 102 % ND	%RECOVERY %RECOVERY mg/L	20-150 50-150 0,00400	DM ·	10/27/2005 23:53 10/27/2005 23:53
CID SEMIVOLS 625		PENTACHLOROPHENOL Surrogate: Phenol-d8 Surrogate: 2,4,8-Tribromophenol ACENAPHTHENE ACENAPHTHYLENE	92.1 % 102 % ND ND	%RECOVERY %RECOVERY mg/L mg/L	20-150 50-150 0,00400 0,00400		
CID SEMIVOLS 625		PENTACHLOROPHENOL Surrogate: Phenol-d8 Surrogate: 2,4,8-Tribromophenol ACENAPHTHENE ACENAPHTHYLENE 8-TERPINEOL	32.1 % 102 % ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L	20-150 50-150 0,00400 0,00400 0,00400		
CID SEMIVOLS 625		PENTACHLOROPHENOI. Surrogate: Phenoid8 Surrogate: 2.4.8-Tribromophenoi ACENAPHTHENE ACENAPHTHYLENE 8-TERPINEOI. ANTHRACENE	32.1 % 102 % ND ND ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L	20-150 50-150 0,00400 0,00400 0,00400 0,00400		
CID SEMIVOLS 625		PENTACHLOROPHENOI. Surrogate: Phenoi-d8 Surrogate: 2,4,8-Tribromophenoi ACENAPHTHENE ACENAPHTHYLENE 4-TERPINEOI. ANTHRACENE BENZIDINE	32.1 % 102 % ND ND ND ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L mg/L mg/L	20-150 50-150 0.00400 0.00400 0.00400 0.00400 0.00400 0.00800		
		PENTACHLOROPHENOI. Surrogate: Phenoi-d8 Surrogate: 2,4,8-Tribromophenoi ACENAPHTHENE ACENAPHTHYLENE #-TERPINEOI. ANTHRACENE BENZIOINE BENZO(8)ANTHRACENE	32.1 % 102 % ND ND ND ND ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L mg/L mg/L	20-150 50-150 0.00400 0.00400 0.00400 0.00400 0.00400 0.00800 0.00400		
CID SEMIVOLS 625		PENTACHLOROPHENOL Surrogate: Phenol-d8 Surrogate: 2,4,8-Tribromophenol ACENAPHTHENE ACENAPHTHYLENE a-TERPINEOL ANTHRACENE BENZIOINE BENZO(a)ANTHRACENE BENZO(a)PYRENE	32.1 % 102 % ND ND ND ND ND ND ND ND ND	%RECOVERY %RECOVERY mp/L mp/L mp/L mp/L mp/L mp/L mp/L mp/L	20-150 50-150 0.02400 0.02400 0.02400 0.02400 0.00400 0.00800 0.00400 0.00400		
CID SEMIVOLS 625		PENTACHLOROPHENOL Surrogate: Phenol-d8 Surrogate: 2,4,8-Tribromophenol ACENAPHTHENE ACENAPHTHYLENE a-TERPINEOL ANTHRACENE BENZO(B)ANTHRACENE BENZO(B)ANTHRACENE BENZO(B)PYRENE BENZO(k)FLUORANTHENE	32.1 % 102 % ND ND ND ND ND ND ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20-150 50-150 0,00400 0,00400 0,00400 0.00400 0.00400 0,00400 0,00400 0,00400		
CID SEMIVOLS 625		PENTACHLOROPHENOI. Surrogate: Phenoi-d8 Surrogate: 2,4,8-Tribromophenoi ACENAPHTHENE ACENAPHTHYLENE #-TERPINEOI. ANTHRACENE BENZOINE BENZO(a)ANTHRACENE BENZO(a)PYRENE BENZO(k)FLUORANTHENE BENZO(g,h,i)PERYLENE	32.1 % 102 % ND ND ND ND ND ND ND ND ND ND ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20-150 50-150 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400		
CID SEMIVOLS 625		PENTACHLOROPHENOI. Surrogate: Phenoi-d8 Surrogate: 2,4,8-Tribromophenoi ACENAPHTHENE ACENAPHTHYLENE 8-TERPINEOI. ANTHRACENE BENZO(B)ANTHRACENE BENZO(B)ANTHRACENE BENZO(B)FLUORANTHENE BENZO(B)FLUORANTHENE BENZO(B)FLUORANTHENE BENZO(B)FLUORANTHENE	32.1 % 102 % ND ND ND ND ND ND ND ND ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20-150 50-150 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400		
CID SEMIVOLS 625		PENTACHLOROPHENOI. Surrogate: Phenoi-d8 Surrogate: 2,4,8-Tribromophenoi ACENAPHTHENE ACENAPHTHYLENE 8-TERPINEOI. ANTHRACENE BENZO(B)ANTHRACENE BENZO(B)ANTHRACENE BENZO(B)PYRENE BENZO(C),1)PERYLENE BENZO(C),1)PERYLENE BENZO(C),1)PERYLENE BENZO(C),1)PERYLENE BENZO(C),1-LIORANTHENE BIS(2-CHLOROETHOXY)METHANE	32.1 % 102 % ND ND ND ND ND ND ND ND ND ND ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20-150 50-150 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400		
CID SEMIVOLS 625		PENTACHLOROPHENOI. Surrogate: Phenoi-d8 Surrogate: 2,4,8-Tribrorophenoi ACENAPHTHENE ACENAPHTHYLENE a-TERPINEOI. ANTHRACENE BENZIOINE BENZO(B)ANTHRACENE BENZO(B)ANTHRACENE BENZO(C),h-LUORANTHENE BENZO(C),h-LUORANTHENE BENZO(C),D-ENTLENE BENZO(C),D-ENTLENE BENZO(C),D-ENTLENE BENZO(C),D-ENTLENE BENZO(C),D-ENTLENE BIS(2-CNLOROETHOXY)METHANE BIS(2-CHLOROETHYL)ETHER	32.1 % 102 % ND ND ND ND ND ND ND ND ND ND ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20-150 50-150 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400		
CID SEMIVOLS 625		PENTACHLOROPHENOI. Surrogate: Phenol-d8 Surrogate: 2,4,8-Tribromophenoi ACENAPHTHENE ACENAPHTHYLENE #-TERPINEOI. ANTHRACENE BENZOINE BENZO(B)ANTHRACENE BENZO(B)PYRENE BENZO(C),1)PERYLENE BENZO(C),1)PERYLENE BENZO(C),1)PERYLENE BENZO(C),1)PERYLENE BENZO(C),1)PERYLENE BIS(2-CHLOROETHYL)ETHER BIS(2-CHLOROETHYL)ETHER	32.1 % 102 % ND ND ND ND ND ND ND ND ND ND ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20-150 50-150 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400		
CID SEMIVOLS 625		PENTACHLOROPHENOI. Surrogate: Phenoi-d8 Surrogate: 2,4,8-Tribromophenoi ACENAPHTHENE ACENAPHTHYLENE 8-TERPINEOI. ANTHRACENE BENZO(B)ANTHRACENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)FLUORANTHENE BENZO(B)FLUORANTHENE BENZO(B)FLUORANTHENE BIS(2-CHLOROETHOXY)METHANE BIS(2-CHLOROETHYL)ETHER BIS(2-CHLOROISTOPROFYL)ETHER BIS(2-CHLOROISTOPROFYL)ETHER BIS(2-CHLOROISTOPROFYL)ETHER	32.1 % 102 % ND ND ND ND ND ND ND ND ND ND ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20-150 50-150 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400		
CID SEMIVOLS 625		PENTACHLOROPHENOI. Surrogate: Phenoi-d8 Surrogate: 2,4,8-Tribromophenoi ACENAPHTHENE ACENAPHTHYLENE A-TERPINEOI. ANTHRACENE BENZO(a)ANTHRACENE BENZO(a)PYRENE BENZO(a)PYRENE BENZO(g,h,i)PERYLENE BENZO(g,h,i)PERYLENE BIS(2-CHLOROETHOXY)METHANE BIS(2-CHLOROETHYL)ETHER BIS(2-CHLOROISOPROFYL)ETHER	32.1 % 102 % ND ND ND ND ND ND ND ND ND ND ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20-150 50-150 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400		
CID SEMIVOLS 625		PENTACHLOROPHENOI. Surrogate: Phenoi-d8 Surrogate: 2,4,8-Tribromophenoi ACENAPHTHENE ACENAPHTHYLENE A-TERPINEOI. ANTHRACENE BENZO(B)ANTHRACENE BENZO(B)ANTHRACENE BENZO(B)FLUORANTHENE BENZO(G,h,I)PERYLENE BENZO(C,TLUORANTHENE BIS(2-CHLOROETHUXY)METHANE BIS(2-CHLOROETHYL)ETHER BIS(2-CHLOROISOPROFYL)ETHER BIS(2-CHLOROISOPROFYL)ETHER BIS(2-CHLOROISOPROFYL)ETHER BIS(2-CHLOROISOPROFYL)ETHER BUTYL BENZYL PHTHALATE BUTYL BENZYL PHTHALATE 4-BROMOPHENYL PHENYL ETHER	32.1 % 102 % ND ND ND ND ND ND ND ND ND ND ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20-150 50-150 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400		
CID SEMIVOLS 625		PENTACHLOROPHENOI. Surrogate: Phenoi-d8 Surrogate: 2,4,8-Tribromophenoi ACENAPHTHENE ACENAPHTHYLENE a-TERPINEOI. ANTHRACENE BENZOINE BENZO(B)ANTHRACENE BENZO(B)ANTHRACENE BENZO(C)A,1)PERVENE BENZO(C)A,1)PERVENE BENZO(C)C,1,1)PERVENE BENZO(C)CHLORANTHENE BIS(2-CHLOROETHYL)ETHER BIS(2-CHLOROETHYL)ETHER BIS(2-CHLOROISOPROFYL)ETHER BIS(2-CHLOROISOPROFYL)ETHER BIS(2-CHLOROISOPROFYL)ETHER BIS(2-ETHYLHEXYL)PHTHALATE BUTYL BENZYL PHTHALATE 4-BROMOPHENYL PHENYL ETHER CARBAZOLE	32.1 % 102 % ND ND ND ND ND ND ND ND ND ND ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20-150 50-150 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400		
CID SEMIVOLS 625		PENTACHLOROPHENOI. Surrogate: Phenoi-d8 Surrogate: 2.4.8-Tribromophenoi ACENAPHTHENE ACENAPHTHYLENE 8-TERPINEOI. ANTHRACENE BENZO(B)ANTHRACENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)FLUORANTHENE BENZO(B)FLUORANTHENE BENZO(B)FLUORANTHENE BIS(2-CHLOROETHOXY)METHANE BIS(2-CHLOROETHOXY)METHANE BIS(2-CHLOROETHOXY)METHER BIS(2-CHLOROETHOXY)METHER BIS(2-CHLOROETHOXY)METHER BIS(2-CHLOROETHOXY)METHER BIS(2-CHLOROETHYL)ETHER BIS(2-CHLOROETHYL)ETHER CARBAZOLE 4-BROMOPHENYL PHENYL ETHER CARBAZOLE 2-CHLORONAPHTHALENE	32.1 % 102 % ND ND ND ND ND ND ND ND ND ND ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20-150 50-150 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400		
CID SEMIVOLS 625		PENTACHLOROPHENOI. Surrogate: Phenoi-d8 Surrogate: 2,4,8-Tribromophenoi ACENAPHTHENE ACENAPHTHYLENE a-TERPINEOI. ANTHRACENE BENZOINE BENZO(B)ANTHRACENE BENZO(B)ANTHRACENE BENZO(C)A,1)PERVENE BENZO(C)A,1)PERVENE BENZO(C)C,1,1)PERVENE BENZO(C)CHLORANTHENE BIS(2-CHLOROETHYL)ETHER BIS(2-CHLOROETHYL)ETHER BIS(2-CHLOROISOPROFYL)ETHER BIS(2-CHLOROISOPROFYL)ETHER BIS(2-CHLOROISOPROFYL)ETHER BIS(2-ETHYLHEXYL)PHTHALATE BUTYL BENZYL PHTHALATE 4-BROMOPHENYL PHENYL ETHER CARBAZOLE	32.1 % 102 % ND ND ND ND ND ND ND ND ND ND ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20-150 50-150 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400 0,00400		
CID SEMIVOLS 625		PENTACHLOROPHENOI. Surrogate: Phenoi-d8 Surrogate: 2.4.8-Tribromophenoi ACENAPHTHENE ACENAPHTHYLENE 8-TERPINEOI. ANTHRACENE BENZO(B)ANTHRACENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)FLUORANTHENE BENZO(B)FLUORANTHENE BENZO(B)FLUORANTHENE BIS(2-CHLOROETHOXY)METHANE BIS(2-CHLOROETHOXY)METHANE BIS(2-CHLOROETHOXY)METHER BIS(2-CHLOROETHOXY)METHER BIS(2-CHLOROETHOXY)METHER BIS(2-CHLOROETHOXY)METHER BIS(2-CHLOROETHYL)ETHER BIS(2-CHLOROETHYL)ETHER CARBAZOLE 4-BROMOPHENYL PHENYL ETHER CARBAZOLE 2-CHLORONAPHTHALENE	32.1 % 102 % ND ND ND ND ND ND ND ND ND ND ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20-150 50-150 0,00400		
CID SEMIVOLS 625		PENTACHLOROPHENOI. Surrogate: Phenoi-d8 Surrogate: 2,4,8-Tribromophenoi ACENAPHTHENE ACENAPHTHYLENE 8-TERPINEOI. ANTHRACENE BENZO(8)ANTHRACENE BENZO(8)PYRENE BENZO(8)PYRENE BENZO(8)FLUORANTHENE BENZO(6)FLUORANTHENE BENZO(6)FLUORANTHENE BIS(2-CHLOROETHOXY)METHANE BIS(2-CHLOROETHOXY)METHANE BIS(2-CHLOROISOPROFYL)ETHER BIS(2-CHLOROISOPROFYL)ETHER BIS(2-ETHYLHEXYL)PHTHALATE BUTYL BENZYL PHTHALATE 4-BROMOPHENYL PHENYL ETHER CARBAZOLE 2-CHLOROPHENYL PHENYL ETHER	32.1 % 102 % ND ND ND ND ND ND ND ND ND ND ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20-150 50-150 0.00400		
CID SEMIVOLS 625		PENTACHLOROPHENOI. SUTOgate: Phenoi-d8 SUTOgate: Phenoi-d8 SUTOgate: 2,4,8-Tribromophenoi ACENAPHTHENE ACENAPHTHYLENE A-TERPINEOI. ANTHRACENE BENZO(a)ANTHRACENE BENZO(a)PYRENE BENZO(a)PYRENE BENZO(a),1)PERYLENE BENZO(a),1)PERYLENE BENZO(a),1)PERYLENE BIS(2-CHLOROETHOXY)METHANE BIS(2-CHLOROETHOXY)METHANE BIS(2-CHLOROETHYL)ETHER BIS(2-CHLOROISOPROFYL)ETHER BIS(2-CHLOROISOPROFYL)ETHER BIS(2-ETHYLHEXYL)PHTHALATE 4-BROMOPHENYL PHENYL ETHER CARBAZOLE 2-CHLOROMAPHTHALENE 4-CHLOROMAPHTHALENE 4-CHLOROMAPHTHALENE 4-CHLOROMAPHTHALENE 4-CHLOROMAPHTHALENE CHRYSENE	32.1 % 102 % ND ND ND ND ND ND ND ND ND ND ND ND ND	%RECOVERY %RECOVERY mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20-150 50-150 0,00400		

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Authorized for Release By:David J. Malander For Richard D. Reid -

COLUMBIA INSPECTION, INC 7133 N. Lombard, Portland, CR 97203 Phone: (503) 286-9464 Fax: (503) 286-5355 E-mail: lab@ColumbiaInspection.com



REPORT DATE:	: 11/08/05 16:23	REPORT NUMBER: 5102604					PAGE: 3 OF	
Bample/ Analysis	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME	
102604-01	SAMPLE ID: Bolle	r Blowdown Grab Sample						
emi-Volatile Or	ganics by Gas Chr	omatography/Mass Spectroscopy						
VN SEMIVOL 826	EPA 625	1,2-DICHLOROBENZENE	ND	mg/L	0.00400	DM	10/27/2005 23:53	
		1,3-DICHLOROBENZENI:	ND	mg/L	0.00400			
		1.4-DICHLOROBENZENI:	ND	mg/L	0.00400			
		DIETHYL PHTHALATE	ND	mg/L	0.00400			
		DIMETHYL PHTHALATE	ND	mg/L	0.00400			
		DI-N-BUTYL PHTHALATIE	ND	mg/L	0,00400			
		DI-N-OCTYL PHTHALATIE	ND	mg/L	0.00400			
		2.4-DINITROTOLUENE	ND	mail	0.00800			
		1,2-DIPHENYLHYDRAZINE (88 AZOBENZENE)	ND	mg/L	0.00400			
		2,6-DINITROTOLUENE	ND	mg/L	0.00800			
		FLUORANTHENE	ND	mg/L	0.00400			
		FLUORENE	ND	mg/L	0.00400			
		HEXACHLOROBENZENE:	ND	mo/L	0,00400			
		HEXACHLOROBUTADIENE	ND	mg/L	0,00400			
		HEXACHLOROCYCLOPENTADIENE	ND	mg/L	0.0200			
		HEXACHLOROETHANE	ND	mg/L	0.00400			
•		INDENO(1,2,3-cd)PYRENE	ND	mg/L	0.00400			
		ISOPHORDNE	ND	mg/L	0.00400			
		NAPHTHALENE	ND	mg/L	0,00400			
		NITROBENZENE	ND	mg/L	0.00400			
		N-NITROSODIMETHYLAMINE	ND	mg/L	0.00400			
		N-NITROSODIPHENYLAMINE	ND	mg/L	0,00400			
		N-NITROSO-DI-N-PROPYLAMINE	ND	mg/L	Q.D0400			
		N-OCTADECANE	ND	mg/L	0,00400			
		PHENANTHRENE	ND	mg/L	0,00400			
		PYRENE	ND	mg/l.	0,00400			
		1,2,4-TRICHLOROBENZE:NE	ND	mp/L	0.00400			
		Surrogate: 2-Fluoroblphenyl	87,1 %	%RECOVERY				
		Surrogate: Nitrobenzene-[15	65.1 %	%RECOVERY				
		Surrogate: p-terphenyl-D14	99.4 %	*RECOVERY	60-160			
Semi-Volatile Or		romatography/ECD		_				
PESTICIDES 825	EPA 825	ALDRIN	ND	mg/L	0.00267	DM	10/27/2005 23:53	
		ALPHA-BHC	ND	mg/L	0.00153			
		BETA-BHC	ND	mg/L	0.00267			
		Gamma-BHC (Lindane)	ND	mg/L	0.00133			
		DELTA-BHC	ND	mg/L	0.00287			
		4,4-DDD	ND	mg/L	0,00533			
		4,4-DDE	ND	mg/L	9,00267			
		CHLORDANE	ND	mg/L	0.00287			
		4,4-DDT	ND	mg/L	0,00533			
		DIELDRIN	ND	mg/L	0.0D287			
		ENDOSULFAN I	ND	mg/L	0,00287			
		ENDOSULFAN II	ND	mg/L	0,00533			
		ENDOSULFAN SULFATE	ND	mg/L	0,00533			
		ENDRIN	ND	mg/L	0.00267			
		ENDRIN ALDENYDE	ND	mg/L	0.00687			
		ENDRIN KETONE	ND	mg/L	0.00867			
		HEPTACHLOR	ND	mg/L	0,00267			
		HEPTACHLOR EPOXIDE	ND	mp/L	0.00267			
		ALPHA-CHLORDANE	ND	mg/L	0,00287			
		METHOXYCHLOR	ND	mg/L	0,00887			
		GAMMA-CHLORDANE	ND	mg/L	0.00287			
		TOXAPHENE	ND	mg/L	0,0533			

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COLUMBIA INSPECTION, INC 7133 N. Lombard, Portland, OR 97203 Phone: (503) 288-9484 Fax: (503) 286-5355 E-mail: lab@ColumbiaInspection.com

**KOPPERS** 

FAX TRANSMITTAL

7540 N.W. Saint Helens Rd. Portland, Oregon 97210-3663

Phone: (503) 286-3681 Fax: (503) 285-2831 Web Page: www.koppers.com

TO: J. Dietz, L. Hrde, T. Self	DATE: 11/11/05
FROM: Ames	TOTAL = OF PAGES: 6
pea my email -	·
•	

FILE-PORPLAND-EN.-NPDES

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX-# 503-285-2831



Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

October 3, 2005

Koppers Industries, Inc. Amos Kamerer 7540 NW St. Helen's Rd. Portland, OR 97210

Re: Stormwater discharge to City of Portland sewer system.

#### Dear Mr. Kamerer:

In response to your request for stormwater discharge to the City sewer system dated September 28, 2005; the city has discharge limits that will need to be met before discharge can be allowed. The following is the current local limitations in effect at this time.

Pollurant Name	PROPERTY OF THE PROPERTY OF TH	10/26/05 SAMPLE TEST Results
Arsenic		ND
Cadmium Chromium	0.7 <b>5.0</b>	ND ND
Copper Lead	3.7 0.7	1,0 0.03
Mercury	0.010	0.00011
Molybdenum Nickel	1.4 2.8	N 0 N 0
Selenium	0.6	NO
Silver Žinc	0.4	0.39
NON-METALE INOR	ASJESSE	
Cyanide	50115	~ NO
pH Sulfide	5.0-11.5 su 4.0	NO



CLIENT: Koppers Industries, Inc.

PROJECT NAME: Boller Blowdown Water Test

ATTN: T.J. Turner

7540 NW St. Helens Road Portland OR, 97210-3663

PHONE: (503) 286-3681

FAX: (503) 285-2831

SUBMITTED: 10/26/08 12:05

REPORT DATE:	11/08/05 15:56	REPORT NUM	IBER: 5102604	<u> </u>			PAGE: 1 C
CI SAMPLE	CLIENTS ID#		DATE	TIME	MATRIX		
5102804-01	Boller Blowdown Grab	Sample	10/28	2006 1000	Water		
BAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	OATE/TIME
5102604-01	SAMPLE ID: Boiler	Blowdown Grab Sample					-
General Bench A	nalysis	•					
CYANIDE, TOTAL	SM 4600-CN-B-C	CYANIDE	ND	mg/L	0,0030	ME8	11/03/2005 10:11
O & G, NP (SGT-HEM)	EPA 1684	NONPOLAR OIL & GREASE	ND	mg/L	2	JRW	11/07/2005 15:12
BULFIDE	EPA 378.1	SULFIDE	ND	mg/L	1,0	MES	11/01/2005 15:58
Total Mercury by	Cold Vapor Atomic	: Fluorescence					
MERCURY CV AF	EPA 245,7/1031	MERCURY	0,00011	mg/L	0,000050	KEL	11/03/2005 12:24
	ductively Coupled						The second secon
ARSENIC - ICP	EPA 200,7/80108	ARSENIC	ND	mg/L	0.010	KEL	10/27/2006 14:08
CADMIUM - ICP	WI 71 EUU, 1/104 100	CADMIUM	ND ND	mg/L	0,003	KEL	10/27/2005 14:08
CHROMIUM - ICP		CHROMIUM	ND ND		0.005		**************************************
				mg/L		KEL	10/27/2005 14:08
COPPER - ICP	, <u></u>	COPPER	1,0	mg/L	0.005	KEL	10/27/2005 15:58
LEAD - ICP		LEAD	0,030	mg/L	0.005	KEL	10/27/2005 14:08
VOLYBDENUM - ICP		MOLYBDENUM	ND	mg/L	0.005	KEL	10/27/2005 16:58
NICKEL - ICP		NICKEL	DO	mg/L	0,020	KEL	10/27/2005 15:58
SELENIUM - ICP		SELENIUM	ND	mg/L	0,10	KEL	10/27/2005 14:08
BILVER - ICP		SILVER	ND	mg/L	0,010	KEL	10/27/2005 15:38
ZING - ICP	,	ZINÇ	0.39	rng/L	0.003	KEL	10/27/2008 16:58
Volatile Organics	by Gas Chromato	graphy/Mass Spectroscopy					
VOC 824 Extended	EPA 624	ACROLEIN	ND	mg/L	D,100	JRW	11/04/2005 10:48
		ACRYLONITRILE	ND	mg/L	0,0100	***	
		BENZENE	ND	mg/L	0.0005		
		BROMOCHLOROMETHANE	ND	mg/L	0.0006		
		BROMODICHLOROMETHANE	ND	mg/L	0,0005		
		BROMOFORM	ND	mg/L	0.0005		
		CARBON TETRACHLORIDE	ND	mg/L	0,0005		
		CHLOROBENZENE	ND	mg/L	0,0005		
		CHLORODIBROMOMETHANE	ND	mg/L	0,0005		
		CHLOROETHANÉ	ND	mg/L	0.0005		<b>818</b>
		2-CHLOROETHYL VINYL ETHER	ND	mg/L	0.0005	<b>/</b> 1	UITIKIAI
		tert-BUTYLBENZENE	ND	mg/L	0,0005	UI	PIGINAL
		CHLOROFORM	ND	mg/L	0.0005	-,	" AII 11.1P
		CHLOROMETHANE	ND	mB/L	0.0005		
		1,2-DICHLOROBENZENE	ND	mg/L	0,0005		
		1,3-DICHLOROBENZENE	ND	mg/L	0.0005		
		1,4-DICHLOROBENZENE	ND	mg/L	0,0005		
		1,1-DICHLOROETHANE	ND	mg/L	0,0005		
		1,2-DICHLOROETHANE	ND	mg/L	0,0005		
		1,1-DICHLORGETHYLENIE	ND ND	mg/L	0,0006		
		1,2-DICHLOROPROPANE	ND	mg/L	0.0005		
		TRANS-1,3-DICHLOROPROPENE	ND	mg/L	0.0005		
		CIS-1,3-DICHLOROPROPENE	ND	mg/L	0.0005		

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COLUMBIA INSPECTION, INC.

7133 N. Lombard, Portland, OR 97203 Phono:(503) 286-9464 Fax:(503) 288-5355 E-mail:lab@ColumbiaInspection.com



				DETECTION		
METHOD	PARAMETER	RESULTS	UNITS	UMIT	TECH	DATE/TIME
			•			
by Gas Chromatog	raphy/Mass Spectroscopy					
EPA 824	TRANS-1,2-DICHLOROETHENE	ND	mg/L	0.0005	JRW	11/04/2005 10:48
	CIS-1,2-DICHLOROETHEINE	ND	mg/L	0.0005		
	ETHYLBENZENE	ND	mg/L	0.0006		
			mg/L	0.0005		
4			mg/L	0.0005		
			mg/L			
			-			
			•			
				-		
			-			
			-			
			-			
	VINYL CHLORIDE		• .			
		•				
	1,2-DIBROMOETHANE					
	1,1,1,2-TETRACHLOROSTHANE					
	M- & P-XYLENE	ND				
	O-XYLENE	ND	-			
	1,2,3-TRICHLOROPROPANE	ND	-	0.0005		
	1,2-DIBROMO-3-CHLOROPROPANE	ND	mg/L	0,0005		
	Surrogate: Dibromofluoromelitane	05.5%	%RECOVERY	50-150		
	· · · · ·					
anice by Goe Chro		BA',_',p''`	MICOOVERT	DU-104		
FPA 828			_			
			-		DM	10/27/2005 25:53
<del></del>			KRECOVERY	50-160		
			mg/L	0.00400	DM	10/27/2006 23:58
			mg/L	0.00400		
•			mg/L	0.00400		
			mg/L	0.00400		
			mg/L	0.00800		
				0.00400		
			*	0.00400		
			-			
	BIS(2-CHI OROFTHY) IF THER					
	BIS(2-CHLOROISOPROISO) ETHER					
			• •			
	CARBAZOLE					
	2-CHLORONAPHTHALENE					
	CHRYSENE		-			
	N-DEÇANE	ND	mg/L	0.00400		
		, , <del>, _</del>	* 1 (2) * The	<b>い.のむずひじ</b>		
	DIBENZO(9,h)ANTHRACENE	ND	mg/L	0.00400		
	by Gas Chromatog	BAMPLE ID: Boller Blowdown Grab Sample by Gas Chromatography/Mass Spectroscopy EPA 624  TRANS-1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE ETHYLBERZENE METHYL BROMIDE METHYL GRUORIDE METHYL-TERT-BUTYL ETHER (MTBE) NAPHTHALENE STYRENE 1,1,2-TETRACHLOROETHANE TETRACHLOROETHANE TOLUENE 1,1,1-TRICHLOROETHANE TRICHLOROETHANE TRICHLOROETHANE TRICHLOROETHANE 1,2-DIBROMOETHANE 1,2-DIBROMOETHANE 1,2-DIBROMOETHANE 1,1-1,2-TETRACHLOROETHANE 1,1-1,2-TETRACHLOROETHANE 1,2-DIBROMOETHANE 1,2-DIBROMOETHANE 1,2-DIBROMOETHANE 1,2-DIBROMO-2-CHLOROPROPANE 1,2-DIBROMO-3-CHLOROPROPANE 1,2-DIBROMO-3-CHLOROPROPANE Surrogate: Pleorobenzene-64 Surrogate: 1,4-Dichlorobenzene-64 Surrogate: 1,4-Dichlorobenzene-64 Surrogate: 1,4-Dichlorobenzene-64 Surrogate: 2,4,9-Tibromophenot ACENAPHTHENE ACENAPHTHENE ACENAPHTHENE ACENAPHTHENE BENZO(B)PYRENE BENZO(B)	BAMPLE ID: Boller Blowdown Grab Sample  by Gas Chromatography/Mass Spectroscopy  EPA 624  TRANS-1,2-DICHLOROETHENE  ETHYLBENZENE  MCTHYL SHOMIDE  METHYLBENZENE  MCTHYLENC CHLORIDE  METHYLENE CHLORIDE  METHYLENE CHLORIDE  METHYLENE CHLORIDE  METHYLENE CHLORIDE  MOD  METHYLENE CHLORIDE  MOD  METHYLENE CHLORIDE  MOD  METHYLENE CHLORIDE  MOD  METHYLENE CHLOROETHENE  MOD  1,1,2-TETRACHLOROETHANE  MOD  1,1,1-TRICHLOROETHANE  MOD  1,1,1-TRICHLOROETHANE  MOD  1,1,1-TRICHLOROETHANE  MOD  TRICHLOROFLUORMETHANE  MOD  DIBROMOMETHANE  MOD  1,2-DIBROMOETHANE  MOD  1,1,1-TETRACHLOROETHANE  MOD  1,1,1-TETRACHLOROETHANE  MOD  DIBROMOMETHANE  MOD  1,2-DIBROMOETHANE  MOD  1,2-DIBROMOETHANE  MOD  1,2-DIBROMOETHANE  MOD  1,2-DIBROMO-SCHLOROPROPANE  MOD  1,2-DIBROMO-SCHLOROPROPANE  MOD  Surrogate: Pliorobenzene:  70,9 %  Surrogate: Pliorobenzene:  Surrogate: 1,4-Dichlorobenzene-04  80,1 %  BENZO(gast: 1,4-Dichlorobenzene-04  BENZO(gast: 1	SAMPLE ID: Boller Blowdown Grab Sample by Gas Chromatography/Mass Spectroscopy EPA 624  TRANS-1,2-DICHLOROETHENE ETHYLBENZENE END M91  METHYL, CHLORIDE MD M61 METHYL, CHLORIDE MD M61 METHYL, CHLORIDE MD M61 METHYL, CHLORIDE MD M61 METHYL, CHLORIDE MD M61 METHYL, CHLORIDE MD M61 METHYL, CHLORIDE MD M61 METHYL, CHLORIDE MD M61 METHYL, TERR-BUTYL ETHER (MTBE) MD M61 MAPHTHALENE MD M61 MAPHTHALENE MD M61 M61 M61 M61 M61 M61 M61 M61 M61 M61	METHOD	METHOD   PARAMETER   RESULTS   UNITS   UNIT   TECH

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SAMPLE/	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	рателіме
NALY8I8			ME-JUL/3		Tital I	72011	MATTER THE C
102804-01		iller Blowdown Grab Sample					
	•	Chromatography/Mass Spectroscopy					
I/N SEMIVOL 625	EPA 825	1,2-DICHLOROBENZENIE	ND	mg/L	0.00400	DM .	10/27/2005 23;53
		1,3-DICHLOROBENZENE	ND	mg/L	0.00400		
		1,4-DICHLOROBENZENIE	ND	mg/L	0,00400		
		DIETHYL PHTHALATE	ND	mg/L	0,004DB		
		DIMETHYL PHTHALATE	ND	mg/L	0.00400		
		DI-N-BUTYL PHTHALATIE	ND	mp/L	0.00400		
		DHN-OCTYL PHTHALATE	ND	mg/L	0.00400		
		2,4-DINITROTOLUENE	ND	mg/L	0.00800		
		1,2-DIPHENYLHYDRAZIHE (89 AZOBENZENE)	ND	mg/L	0,00400		
		2,6-DINITROTOLUENE	ND	mp/L	0.00800		
		FLUORANTHENE	ND	mg/L	0.00400		
		FLUORENE	ND	നൂ/∟	0,00400		
		HEXACHLOROBENZENE:	ND	mg/L	0.00400		
		HÉXACHLOROBUTADIENE	ND	mg/L	0.00400		
		HEXACHLOROCYCLOPENTADIENE	ND	mg/L	0.0200		
		HEXACHLOROETHANE	ND	mg/L	0,00400		
		INDENO(1,2,3-cd)PYRENE	ND	mg/L	0.00400 .		
		ISOPHORONE	ND	mg/L	0,00400		
		NAPHTHALENE	ND	mg/L	0,00400		
		NITROBENZENE	ND	mg/L	0,00400		
		N-NITROSODIMETHYLAMINE	ND	mg/t.	0.00400		
		N-NITROSODIPHENYLAMINE	ND	mg/L	0.00400		
		N-NITROSO-DI-N-PROPYLAMINE	ND	mg/L	0.00400		
	N-OCTADECANE	ND	mg/L	0.00400			
		PHENANTHRENE	ND	mg/L	0.00400		
		PYRENE	ND	mg/L	0,00400		
		1,2,4-TRICHLOROBENZE:NE	ND	mg/L	0,00400		
		Surragete: 2-Fluorobiphenyl	87.1 %	%RECOVERY			
		Surrogate: Nitrobenzene-015	86.1 %	%RECOVERY			
		Surrogate: p-terphenyl-D1.4	00.4_%	%RECOVERY	50-150		
emi-Volatile O	rganics by Gas (	Chromatography/ECD					
ESTICIDES 825	EPA 625	ALDRIN	ND	mg/L	0.00267	DM	10/27/2006 23:53
		ALPHA-BHC	ND	mg/L	0,00183		
		BETA-BHC	ND	mg/L	0,00267		
		GAMMA-BHC (LINDANE)	ND	mg/L	0,00133		
		DELTA-BHC	ND	mg/L	0.00267		
		4,4-DDD	ND	mg/L	0,QD533		
		4,4-DDE	ND	mg/L	0.00287		
		CHLORDANE	ND	mg/L	0.00267		
		4,4-DDT	ND	mg/L	0.00833		
		DIELDRIN	ND	mg/L	0.00267		
		ENDOSULFAN I	ND	mg/L	0,00287		
		ENDOSULFAN II	ND	mg/L	0,00533		
		ENDOSULFAN SULFATE	ND	mg/L	0,00633		
		ENDRIN	ND	mg/L	0.00287		
		ENDRIN ALDÉHYDE	ND	mg/L	0,00867		
		ENDRIN KETONE	ND	mg/L	0.00687		
		HEPTACHLOR	ND	mg/L	0,00267		
		HEPTACHLOR EPOXIDE	ND	mg/L	0,00267		
		ALPHA-CHLORDANE	ND	mg/L	0.00267		
		METHOXYCHLOR	ND	mg/L	0,00887		
		GAMMA-CHLORDANE	ND	mg/L	0,00287		
		TOXAPHENE	ND	mg/L	0,0533		

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COLUMBIA INSPECTION, INC 7

7133 N. Lombard, Portland, OR 97203 Phone:(503) 286-9464 Fax;(503) 286-5355 E-mail:lab@Columbiainspection.com

FIRE- PORTLAND - 18CG

FROM : KOPPERS

FAX NO. :5032852831

Apr. 26 2005 10:24AM P1

U.S. Department of **Homeland Security** United States Coast Guard

Commandant United States Coast Guard

2100 Second Street, S.W. Washington, DC 20593-0001 Staff Symbol: G-MPS-1 Phone: (202) 267-4150 Fax: (202) 267-4967

16600

APR 1 1 2005

Koppers Inc. Carbon Materials & Chemicals Attn: Mr. T. J. Turner 7540 NW Saint Helens Road Portland, OR 97210-3363

Dear Sir:

We reviewed your submission, dated February 16, 2005, wherein you requested a waiver from all of the requirements of Part 105 of Title 33 of the Code of Federal Regulations (33 CFR Part 105) for your facility located at 7540 NW St. Helens Road, Portland, Oregon. We are pleased to inform you that we are approving your waiver request.

After considering the nature of the operations conducted by your facility, receiving only domestic barges not otherwise subject to 33 CFR Part 104 and handling only carbon pitch, or other commodities not regulated by 33 CFR Part 105, it has been determined that this facility poses a lower level of risk for being involved in a Transportation Security Incident. Therefore the requirements of 33 CFR Part 105 are waived. If in the future this facility changes either of the above stated conditions, it will be required to meet 33 CFR Part 105.

Your facility is still subject to 33 CFR Parts 101 and 103. Please work with your local Captain of the Port (COTP) to ensure the physical security at your facility is adequate and notify your COTP with changes to your operations.

Please contact LT Fasceski at (202) 366-9750 if you have any further questions regarding this decision.

Sincerely,

Commander, U. S. Coast Guard Chief, Vessel & Facility Security

By direction

Copy:

Commander, Coast Guard Pacific Area (Pmr)

Commander, Coast Guard Thirtcenth District (m)

Commander, Coast Guard Marine Safety Office Portland

Black and Veatch

CC: J. MARCINETI T. SEIF

J. Dietz

4/20/05

Koppers012974

## Dietz Jim

FILS- PORTLAND-ROW- NP.

From:

Self Traci

Sent:

Tuesday, July 19, 2005 9:13 AM

To:

Hyde Leslie; Dietz Jim

Cc:

Kamerer Amos; Turner TJ

Subject: ODEQ conference call-July 14, 2005

TJ, Amos and I had a conference call with Elliott Zais and Matt McClincy(sp?). Elliott is the NPDES permit writer and Matt is the ODEQ representative for the Gasgo site Land Quality Clean up program.

Elliott started by saving that the NPDES permit went out for comment last August and Koppers submitted comments and since that time we have not had much movement in getting the permit finalized and that is why he has asked Matt to explain why changes in the permit are needed.

Matt stated that the cleanup program needs "new standards" for the site. He explained that the site is on the boundary of an NPL cleanup site and one of the goals is to identify potential sources that may impact the Harbor. They do not want to clean the site and have it re-contaminated by other contributors. He sated that over the years ODEQ has been working with NWNG and not the individual tenants but they feel that as the tenants renew permits ODEQ needs to review the permit limits in light of the overall site cleanup goals. He sated that Koppers Inc. present discharge limits are orders of magnitude above the site cleanup levels for PAH's. Matt stated that based on his review of our data that the site is picking up groundwater in the site sumps and discharging it to Doan's creek which flows to the Willamette River. WATER FROM

Amos, TJ and I again questioned why and under what statute the cleanup requirements are made apart of Koppers Inc. NPDES permit. Matt and Elliott stated that they are not just "picking on" Koppers that as other permits come up they will also look at our neighbors but admitted that this is the first time they have attempted to require NPDES limits based on a cleanup program initiative. Matt and Elliott stated that NWNG is going to install a wastewater treatment system that we could participate in and meet the proposed limits. We explained that we need something to take to our management regarding the authority, applicability etc. in order to justify the cost associated in participating with NWNG ion a treatment facility. When asked if ODEQ has any data/information to support any negative impact associated with Koppers Inc batch discharge of approx. 220,000 gallons that occurs 6-8 month/ year, Matt stated that our current discharge limits are above the site cleanup criteria and he would provide that information.

I personally think that Elliott was getting a little bothered that we are questioning ODEQ authority rather than our environmental stewardship. We explained to him that it was not really a question of authority but we need to be able to justify why a treatment process id needed and why it is Koppers Inc. responsibility. We again told him that if it is a requirement of the NPDES permit then we can evaluate our options. Elliott stated that he did not want a permit that was going to be dragged out on appeal and he was trying to avoid that situation. He said he and Matt would provide some date and a letter outlining the reasons why lower limits and alternate discharge locations are required.

If we do not want to participate in the NWNG waste water treatment program, we should consider if there are any other options for the on-site sumps. I think a case can be made that if we are "collecting the contaminated groundwater" Koppers accepts responsibility for the discharge and therefore could be required to treat it prior to discharge. We need to determine how the groundwater infiltrates the sumps and look at alternatives to prevent the collection of the contaminated groundwater.

Traci I. Self **Environmental Manager** 



Department of Environmental Quality

Northwest Region Portland Office 2020 SW 4<sup>th</sup> Avenue, Suite 400 Portland, OR 97201-4987 (503) 229-5263 FAX (503) 229-6957 TTY (503) 229-5471

25 August 2005

Traci Self Koppers Inc. 436 7<sup>th</sup> Ave. Room K-1800 Pittsburg PA 15219-1800

Re: NPDES permit

Dear Ms. Self:

This letter is in response to your request on 14 July 2005 for further justification of the conditions we proposed for the NPDES permit for the Koppers site in Portland at 7540 NW St Helens Road.

In order to issue an NPDES permit, DEQ is required to look at all parts of the waste stream. For this facility, the waste stream has always been characterized as tank farm runoff water, i.e., storm water and boiler blowdown water. Previous permits before 1988 also included non-contact cooling water. The containment areas are presumed to be competent and to not allow a connection to groundwater. We have analytical data that suggest Koppers' discharge has a chemical signature very similar to water being pumped as part of NW Natural's groundwater remediation. This NPDES permit does not authorize the discharge of contaminated groundwater. If Koppers is, indeed, intersecting groundwater in the containment area and discharging it, it would be an unpermitted discharge. The permit would have to be modified to include this waste stream, any appropriate effluent limitations, and any additional monitoring requirements.

Therefore, the Department would request any information Koppers has that provides the necessary engineering evaluation to demonstrate that the permitted system does not contain contaminated groundwater. Specifically, the evaluation would have to show that the storm water contaminated areas are not influenced by groundwater.

Mr. Kamerer inquired about DEQ's legal authority to set additional limits that are not directly addressed in Tables 20, 33A, and 33B. The following citation from the Oregon Administrative Rules speaks to his question.

"OAR 340-041-0033(3) To establish permit or other regulatory limits for toxic substances for which criteria are not included in Tables 20, 33A, or 33B, the department may use the guidance values in Table 33C, public health advisories, and other published scientific literature. The department may also require or conduct bio-assessment studies to monitor the toxicity to aquatic life of complex effluents, other suspected discharges, or chemical substances without numeric criteria."

(A) DEOIXI The email and the Hahn and Associates, Inc. report I forwarded to you around 3 August 2005 provided some additional information about the Department's continuing investigations on the Gasco site and in Portland Harbor. Source control is a major issue which must be dealt with in order to do an effective cleanup. The soon to be released Joint Source Control Strategy document will lay out the DEQ/EPA plan to clean up the harbor.

Normally, a facility discharging in compliance with an NPDES permit is exempt from cleanup rules. However, if the discharge is causing accumulation of toxic materials to unsafe levels, the discharger's permit may no longer be appropriate. The following is the relevant part of the Oregon Administrative Rules (OAR).

# OAR 340-122-0030 Scope and Applicability

ø'

These rules apply to the release or threat of release of hazardous substances into the environment, except as provided below:

- (1) Exempted Releases. These rules shall not apply to releases exempted pursuant to ORS 465.200(21)(a), (b), (c), and (d).
- (2) Conditional Exemption of Permitted Releases. These rules do not apply to permitted or authorized releases of hazardous substances, unless the Director determines that application of these rules might be necessary in order to protect public health, safety or welfare, or the environment. These rules may be applied to the deposition, accumulation, or migration resulting from otherwise permitted or authorized releases.

The Department sees the following possibilities for the Koppers facility:

- 1. Koppers could choose to work with NW Natural and maybe other tenants and build a treatment system which will be viewed as adequate, such as a GAC system. The NPDES permit for the discharge could be held individually by NW Natural or jointly by all the dischargers.
- 2. Koppers could choose to continue the renewal process for the current permit. This permit would include the limits in the 6 August 2004 applicant review draft permit. Discharge would be possible to either Doane Creek or to the Willamette River.

1) POTU RECE

Please contact me at your earliest convenience to discuss this further.

Sincerely,

Elliot J. Zais, PhD, PE Senior Environmental Engineer Northwest Region

cc: Amos Kamerer and T. J. Turner

FROM KOPPERS

FAX NO. :5032852831

Dec. 14 2004 01:25PM P1

FILE-FORTIAND-ENV-RERD



# Department of Environmental Quality Northwest Region Portland Office

2020 SW 4<sup>th</sup> Avenue, Suite 400 Portland, OR 97201-4987 (503) 229-5263 FAX (503) 229-6945

TTY (503) 229-5471

November 29, 2004

T.J. TURNER
GENERAL FORMAN
KOPPERS INC
7540 NW SAINT HELENS ROAD
PORTLAND OR 97210

RE: Notice of Noncompliance

NWR-04-040 ORD027734359 Koppers Inc Hazardous Waste Violations Multnomah County

#### Dear Mr. Turner:

I reviewed the information that you have submitted for the violations documented at the Koppers facility located at 7540 NW Saint Helen Road in Portland, Oregon to demonstrate compliance with the above referenced Notice of Noncompliance (Notice). Koppers has supplied the required documentation to demonstrate compliance. However, I would like to make you aware of concerns regarding Koppers understanding regarding requests for requirements documentation.

In your response Koppers has stated that your facility is not in violation with any of the requirements because you were able to provide the requested documentation after the fact. These documents could have been produced after the fact and they were not made available at the time of the inspection. I made three requests for these documents.

During my initial inspection with Mr. Turner, the second when returned to the site several days later and met with Mr. Amos Krammer and the Corporate Environmental person by phone. My last request was made during the closing conference where I stated the violations to be cited and what I would be requesting to demonstrate compliance. Records must be made available at the time of the inspection and a failure to do so is a violation of ORS 466.090. Therefore, these violations in fact did occur. I wish to make Kopper's aware that they are regulated under other permits with the City of Portland and with the Department. It is important that Koppers understands that Departments position with respect to complying with documentation requests.

This case will not be forwarded on the Department's Enforcement Section at this time. However, the other programs within the Department will be made aware of the issue with documentation requests, and failure to provide documentation during a future inspection could lead to an enforcement action.

I am considering the violations that were cited closed, and the Department will not be pursuing a further action regarding this Notice. If you have any questions concerning this Notice, you may contact me at (503) 229-6105.

Sincerely,

Rebecca Paul

Natural Resource Specialist

(files)

cc: Office of Compliance and Enforcement, DEQ

CC: J. Dretz , K-1650 t. Self , K-1800 12/14/04 10/14/2004

Rebecca Paul Natural Resource Specialist Oregon Department of Environmental Quality Northwest Region Portland Office 2020 SW 4th Avenue, Suite 400 Portland, Oregon 97201-4987

**Subject:** Notice Of Noncompliance

NWR-04-040 ORD027734359 Koppers Inc.

**Hazardous Waste Violations** 

**Multnomah County** 

Dear Rebecca:

Koppers received the Notice of Noncompliance on September 21, 2004 and respectively submits this response:

Violation 1–Class 2: 40 CFR 262.34(a)(4) as it refers to 40 CFR 265.17(d)(1) requires a generator to maintain onsite a written list of the job descriptions of all positions related to hazardous waste management and the name of the employee who is filling that job position.

#### Response:

Koppers maintains written job descriptions for each position that specifically lists the Safety, Health and Environmental (SH&E) responsibilities of that position. The job description for the General Foreman and Utility man was provided to you during the inspection along with the training matrix that identified T.J. Turner as the general foreman and Scott Hummel as the utility-man. These two documents together meet the requirements of 265.17(d) (1); therefore no violation exists.

Violation 2-Class 2: 40 CFR 262.34 (a)(4) as it refers to 40 CFR 265.37(a)(3) requires a generator to make arrangements with state emergency response authorities. The facility was unable to document those arrangements with the police and the hospital. The facility did have documentation for the arrangements that they made with the Fire Department and some other agencies.

#### Response:

The Portland Terminal has historically been regulated as a CESQG and in 2002-2003 because of a downturn in economic conditions associated with the reduced operation of the Aluminum Smelters in the Pacific Northwest was forced to reevaluate the planned operation of the facility and decided that the number of storage tanks located at the facility would not be needed for continued operation. Koppers than implemented a plan to reduce the number of tanks in use at the facility from 25 to 6. A large percentage of the tank contents were recycled or reused at another Koppers facility but the tank residue required disposal. In order to avoid the sampling and analysis involved with characterization (staff greatly reduced) Koppers decided to dispose of the material as hazardous waste. This cleaning effort has temporarily resulted in a change in generator status from CESQG to LQG.

As a CESQG the Portland Terminal was not required to have a contingency plan or coordination with agencies.

Due to the nature of materials in storage and Koppers commitment to SH&E, tabletop exercises have been held with local authorities (police, fire etc.) in an effort to coordinate response to emergencies. Koppers has completed the tank cleaning project and expects to return to CESQG status in 2004. In an effort to provide an acceptable response to ODEQ and ensure appropriate response a copy of the SPCC plan which includes a RCRA contingency plan will be forwarded to local fire, police and hospitals.

Violation 3-Class 2: 40 CFR.34(a)(4) as it refers to 40 CFR 265.52(e) requires a generator to update the spill contingency Plan to include a complete list of emergency equipment. The facility had a list of the equipment and the location of that equipment however, the list must also include the capabilities of that equipment to be completed.

#### Response:

See response to Violation 2. The SPCC plan includes a list of emergency equipment. The footnote on this list includes the capability of the equipment and satisfies the intent of 40 CFR.52 (e). No violation exists.

Violation 4 –Class 2: 40 CFR 262.34(a)(1) as it refers to 40 CFR 265.174 requires a generator to develop and execute a plan for weekly inspections of the hazardous waste container storage area. Plans for the facility were reviewed and they stated that drums were stored prior to waste shipments. At the time of the inspection there were no drums in the storage area. The facility was not generating any waste at the time of inspection but has stored waste on-site in the past. No inspection documentation could be provided to show compliance.

#### Response:

See response to violation 2. As stated the Portland Terminal has historically been a CESQG and became a LQG due to plant cleaning activities. The facility did not have material in storage for extended periods of time but conducts daily field inspections (attached) management practice. As shown on the report the hazardous waste and oil station are inspected daily and have been inspected on a daily basis since \_\_\_\_\_. Koppers going forward anticipates returning to status of CESQG and therefore weekly inspections are not required but the Daily field inspections will continue as a best management practice.

#### **Additional Concerns:**

- Koppers has not made a decision as to continued operations at the Portland Terminal. The materials in storage in the pitch building are coal tar pitch which is a Koppers product. If at any time the material is declared a "hazardous waste" then the speculative accumulation regulation you cited in the notice of noncompliance will be followed.
- In response to your comment regarding a TCLP for Pitch. Koppers is providing the attached analysis to demonstrate that pitch is not a hazardous waste when sent for disposal. The material in the storage building is not a waste and is not intended for disposal.

Sincerely,

T.J. Turner General Foreman

CC:

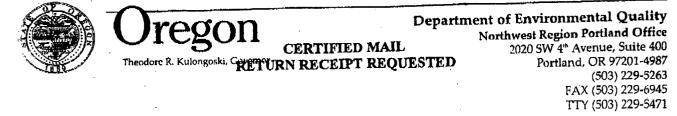
Enclosure(s)

FILE- PORTLAND- ENV.

M : KOPPERS

FAX NO. :5032852831

.. 04 2004 01:27PM



September 30, 2004

T.J. Turner General Forman Koppers Inc 7540 NW Saint Helens Road Portland, OR 97210

Post-It* Fax Note 7671	Date/0/4/04 # of pages 5
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Copy of Inspection Report. RE:

> NWR-04-040 ORD027734359

Koppers Inc

Hazardous Waste Violations

Multnomah County

Dear Mr. Turner:

Enclosed is a copy of the inspection report for the Koppers facility. The report is done to detail the activities and discussion that occurred at the during the facility inspection. I am sending this to you to provide you any additional information you may need to address the corrections to the Notice that were requested by the Department.

If you have any questions concerning this letter or the Notice, you may contact me at (503) 229-6105.

Rebecca Paul

Natural Resource Specialist

cc: Office of Compliance and Enforcement, DEQ

State of Oregon
Department of Environmental Quality

Memorandum

Date: September 16, 2004

To:

File

From:

Rebecca Paul: Northwest Region

Subject:

Inspection Report on Koppers Company.

On September 9 and September 14, 2004, I performed an inspection of the Koppers Company located at 7540 NW Saint Helens Road in Portland, Oregon. This inspection was done as a routine compliance inspection and to determine the facility's compliance with the Department's Hazardous Waste regulations. I was escorted through the facility by Mr. TJ Turner the facility's General Foreman. On the second day of the inspection, I met with Mr. Amos Kamerer, who is a Semi-Retired Manager of the facility.

### Generator Status:

The facility was registered as a Large Quantity Generator (LQG), and was operating as an LQG for the years 2002, and 2003. Currently, the facility is a Conditionally Exempt Generator, (CEG). However Koppers may be an LQG in the future depending on how they decide to manage and characterize their waste streams in the future.

#### Site Inspection:

ţ.

The facility was not operating at the time of the inspection. The Department has been out to this facility in years past mostly on compliant investigations. The facility is routinely inspected due to its water quality permit. There are several areas of the facility that were in the process of being cleaned and put out of service. According to Mr. Turner this work was being done while the facility's management back east was deciding what the future of the company was going to be. I asked Mr. Turner about the process in order to understand the waste streams that were generated. I received furthermore clarification during my subsequent meeting with Mr. Kamerer.

The facility receives by-products from the coal industry. The two main products that they handle are coal tar pitch and creosols. The coal tar is received in a solid form and is commonly referred to as pencil pitch. The creosol was received in its liquid form but Koppers discontinued handling creosol several years ago. The creosol as used as a treatment chemical for railroad ties, phone poles, and in some cases as an additive to roofing compounds. The majority of the waste that was generated from the facility was related to the cleaning of the tanks that once contained the creosol.

Currently, Koppers is only servicing the contracts that they have place for two aluminum plants in the Northwest. The coat tar pitch is used to make the pot liners for the aluminum industry. They had contracts with many of the smelters in the northwest. Some of those smelters have

since shut down so the company is in the process of servicing the two remaining smelters in the area. According to Mr. Turner, Koppers will be evaluating in December if the Portland operation will continue to exist. As a result of the lost of business, the facility has cleaned out 20 product storage tanks at the facility, and is currently only using six tanks for their operation.

The process of making the coat tar pitch saleable requires that the facility changes its form from a solid to a liquid material. The raw material is stored in a large medal building onsite. The material is placed on a conveyer belt and is fed in to a heating unit. The material is heated to about 350 °F to turn the material into a liquid. The liquid material is then placed into tanker trucks for transportation. Currently, the facility is shipping out three truck loads per day, three to four days per week. Mr. Turner and I toured the facility and there was no activity going on at the time. There were no waste drums in storage. The majority of the tanks that had been cleanout were labeled as being "out-of service". There were some drums stored on the west side of the building but these drums were empty. We then toured the raw product area where dry coal tar is stored. During my past inspections at the facility there were large piles of material in this building. This time there were some very small piles of materials which mostly appeared to be residues of previously heated materials. There was medal crating in between the asphalt floor and the walls. A fair amount of dry coat tar had collected in these areas. A spill of previously heated coal tar was observed on the floor in this building. I asked Mr. Turner about this spill. He said that one the truck was overweight so it was returned to the facility to offload the overweight material. They poured off the liquid material on to the floor of the building and allowed it to harden on the asphalt. He said that he was going to scrape up the material and place it back into the process to be reheated and reused. I asked when this spill occurred and he said the material had been there for six weeks. I asked him when they were planning on running the conveyer. I also asked him when it was last operated. He said that they have not used it since the first of the year which is approximately nine months from the date of this inspection.

We toured the remainder of the facility. There were three drums of used oil stored in drum storage area. These drums were labeled and closed at the time of the inspection. There were no drums of hazardous waste found at the facility.

I then performed a records review which I continued on September 14, 2004. The delay was due to a previous appointment Mr. Turner had. I also had some additional questions regarding the paperwork I reviewed. I needed Mr. Kamerer to clarify some of these issues for me. Mr. Kamerer works a part time schedule. I had some questions regarding the process and the waste streams that were generated. The waste codes on the manifests were listed as U051, and D018. The material was shipped in drums as a solid, in 2003. This material did not use the same shipping name as the creosote which is specifically listed. Mr. Kamerer said that waste was the solid coal tar or pencil pitch not the creosote. I asked him if the material had been tested to determine if it fails to TCLP benzene. He said at the time that he assigned the waste codes to the material because it was less expensive to dispose of this waste as a hazardous waste as opposed to testing it. He said he took a more conservative approach to the disposal. I asked if they had any test results for the coal tar or pencil pitch. During this meeting they contacted their corporate environmental manager. She said that she was not sure if they had TCLP data on the coat tar pitch or not. She said that the information was on the MSDS sheet. I explained that they should have lab results to back up what was on the MSDS sheet. However, the purpose of an MSDS was

sheet is for worker safety issues not disposal. Furthermore the disposal of the material, coal tar is regulated as a hazardous waste in its used form, in the aluminum business it is regulated as a listed waste, for Potliner, K061.

I explained my reasoning for asking the questions related to the coat tar pitch. If the material is a hazardous material that requires reclamation prior to its use, the coal tar which is remaining inside the steel building has the potential to become a hazardous waste under the rules of speculative accumulation. The facility must process 75% of the material within one calendar year. Any material that is not processed then becomes a waste and is subject to a waste determination and management as such. Given that all of the information that the facility has provided regarding this material, it may be a hazardous waste for TCLP benzene. Since the facility has customers that use the product, it would be wise for the company to process and sell the material before the year is over. I explained this during the closing conference for the facility.

#### Waste Streams:

Coat Tar Pitch: U051, D018: Koppers characterized this waste stream based on knowledge and they have no supporting lab data. It is likely that the waste stream was mischaracterized for the U051 waste code, and that it may or may not fail for the TCLP benzene.

Waste Creosote: U051, D018: This is waste generated from the cleanout of tanks at the facility. The creosote is a specifically listed under the U-listing for creosote. It is also likely that it would also fail a TCLP analysis for benzene.

### Manifests and Land Disposal Restriction (LDR) Forms:

The manifests and the LDR forms were reviewed. The facility had all of the signed copies of the manifests. The LDR forms filed for each shipment of waste. All of the manifests were within the 60-day return signature requirement.

In the case of the waste codes that were assigned they may or may not be correct. The personnel Koppers took a more conservative approach to the disposal of this waste, which would is not a violation.

#### **Employee Training:**

The employee training program was reviewed. The personnel were trained in the facility's Spill Contingency Plan and some very basic hazardous waste training. They documented that the training was provided for the two years that they were operating as an LQG. As part of that requirement job descriptions for personnel must be included. The facility had job descriptions however they did not address the tasks associated with hazardous waste responsibilities. It must also include the specific list the person's name who is filling that job title. This is done so the facility and its employees have accountability. Koppers was also not doing weekly inspections of the drum storage area when hazardous waste drums were being stored. Personnel need to be trained on how to perform these inspections. These inspections should be documented in order to demonstrate compliance.

FILE- PORTLAND -BNI- NPDES

October 1, 2003

Oregon Department of Environmental Quality Northwest Region 2020 SW Forth Ave., Suite 400 Portland, Oregon 97201-4987

Attention: Elliot J. Zais

Sr. Environmental Engineer

Reference: NPDES Permit No. 101642

Discharge Monitoring Report

Dear Mr. Zais,

Attached please find subject report for the month of September 2003, including the 3<sup>rd</sup> quarter PAH test results.

We had one regular discharge of our 220,000-gallon storage tanks. This "slug" discharge of 220,000 gallons was pumped on September 14, 2003.

As you know; we had what I believe to be an anomaly with the oil and grease sampling of this storm water. Due to the extremely dry summer that we have had, this was the first sample taken from our storage tanks since May 8<sup>th</sup>, or for a full 4 month period. The rain that we had on September the 7<sup>t</sup> and the early morning hours of the 8<sup>th</sup> was very heavy. I believe that we had a big wash of street oily water across Hwy. 30 and then across the PWRR railroad tracks and into our tank farm, causing the higher level of oil and grease.

Regardless; our 1<sup>st</sup> sample taken on the 8<sup>th</sup> tested at 33.3 mg/L, which was very high and very unusual. A 2<sup>nd</sup> sample was taken on the 9<sup>th</sup> from the same sample point and via the same sampling method and it tested at 12.8 mg/L. At your suggestion, a 3<sup>rd</sup> sample was taken on the 10th, again from the same sample point and via the same method, this tested at <2.0 mg/L, or non-detect.

After conversations with both yourself and Michael Pronold, City of Portland, Environmental Services, we all concluded that this was an anomaly and that we could proceed with the discharge via our normal outfall and that no Notice of Violation would be issued.

# Page 2

I personally would like to thank you both for your understanding in this matter. We at Koppers take these types of matters seriously and it is nice to know that we can have this kind of dialog when something unusual develops.

If you have any questions, I can be reached at # 503/286-3681 or via e-mail at: <a href="mailto:kamereras@koppers.com">kamereras@koppers.com</a>

Sincerely,

Amos S. Kamerer

CC: M. Pronold, City of Portland, Environmental Services

T. Self, KII

B. Bauman, KII

# Tar Stills Scheduled Outage CLAIRTON MAINTENANCE

Order#	Respon.	Work Order Description	10/13				10/14	,		10/15			10/16		T T			Reg.	O.T.
		Train Brown, priori	1 1	1 2	3	1	1 2	1 3	1	1 2		1	1 2		1	2	3	Hrs.	Hrs
	Bowers	*Install vortex in T.I. Recycle line		†- <u></u> -	一		<del>                                     </del>	<del>                                     </del>							<u> </u>				
0101264	Bowers	Blank steam line at Tar Acid #2			ļ									<u> </u>					
0211059	Bowers	*Install gas line tie-in piping by 1T-4					<b>———</b>	1							†				
0211111	Bowers	*Unplug steam outs on 2P-6A discharge	·   - · · · · - · -	1 -						1	<b></b>		<b>—</b> —		T				
0303023	Bizila	*Install radar level probes in BV-1 and BV-3		T	1		34-73.		1			<del> </del>					1		
0303096	Bowers	*Check and replace blank in gas line by 1T-4 heater		1		<u> </u>		1		<u> </u>	<b></b>						T		
0305165	Bizila	Change T.I. Heater gas safety valve		100			<u> </u>	†		1					1				
0305164	Bizila	Calibrate Debenz. Feed rate		12.3				<b>T</b>	1				· · · · · · · · · · · · · · · · · · ·		1				
0305165	Bowers	*Change discharge valves on "C" compressor													T				
	Bizila	Repair main 480 breaker #1 unit		75.45	7.1												1		
0307065	Bowers	Change 1" steam valve on V-130 tank suction					<u> </u>	T							T				
0307040	Bowers	Flange leaking on DB recycle line (by bathroom door)						1							1				
0307106	Bowers	Change T.I. Column relief valve																	
0307163	Bowers	Repack V-122 production valve		-								1			f				
0308037	Bowers	2T-1 btms cooler water outlet piping leaking						İ					1			<u> </u>	1		
0308149	Bowers .	Change overhead product valve on 1E-5 condenser	- t				1				T		<b>!</b>		1			1	
0308090	Bizila	*Install new BV-3 probe and change BV-3 control valve					24.75	1000		<u> </u>					1		1		
0309035	Bowers	Change "A" compressor relief valve								1							1		
0309036	Bowers	*Change chiller seperator relief valve																	
0309037	Bowers	*Change "B" compressor relief valve							1								Ĭ .		
0309154	Bowers	Pressure test D.B. reboilers (possible leaker)										1			T				
	Bowers	Bonnet gasket leaking on gate valve by LV-9 control station																	
	Bowers	2T-2 column head leaking on 3rd floor																	
	Bowers	1/2" valve leaking on strainer at 2T-1 ejectors																	
	Bowers	Steam leak 6" 300# flange above 95 tank		1															
	Bowers	Prep work for V-113 Vent piping																	
	Bowers	Blank secondary for inspection and repairs																	Ĭ
	Bowers	*1 1/2" cap leaking on steam line 3rd floor																	
	Bowers	Repack (2) welded valves on Tar Stills roof							<u> </u>										
							L												
					1			L											
									<u> </u>				L			<u> </u>			
	Contractor	*Install V-113 vent piping					ļ						L		L				
		*Remove trays & demisters and install new		<u> </u>			<b></b>	ļ			L		L						
		*Relocate north level deplacer				L	1		<u> </u>	ļ	L								
	1	<u> </u>		<u> </u>	<u> </u>	<u> </u>		<u></u>											

<sup>\*</sup> with Work Order description indicates HJM needed

Mechanical

: IR/ER

286 3681

2002,09-04

FILE PORTLAND ENV. - AIR

# DEQ INSPECTION REPORT Northwest Region - Air Quality Section

Facility Name and Address:	Permit Number: 26-2930
Koppers Industries, Inc.	
7540 NW St. Helens Rd.	
Portland, OR 97210-3663	County: Multnomah

Inspection Date/Time:	Reason for	Regularly scheduled inspection		х :
08/05/2002	Inspection:	Complaint follow-up	;	:
10:40 AM	(check one)	Other (specify)		

	ACDP	х		Comprehensive 07	х
Permit Type:			Inspection Type:	Informational 08	
(check one)	Title V		(check two)	Announced	x
				Unannounced	

Inspector(s): (Name, Title and Agency	Rose Lim, Natural Resource Specialist DEQ-NWR/AQ	John
Air Quality Manager	Audrey O'Brien, Northwest Region (503) 229-5572	NIC for AOB

Facility Representative(s):	Amos Kamerer, Plant Manager		
(Name, Title and Phone #)	(503) 286-3681	 1 9	: :

#### Overview of Facility

Koppers Industries, Inc., operates a coal tar pitch processing facility. This facility receives, stores, and transfers coal tar pitch primarily used in the primary aluminum production industry.-

### Pre-inspection File Review

A file review was conducted. There are no ongoing compliance schedules or enforcement actions associated with this source. An annual report for the calendar year 2001 was submitted to the Department in accordance with the current permit reporting requirement.

#### Walk-through of Facility

- I interviewed Mr. Amos Kamerer, the plant manager of the facility described EVED inspection inspection.
- No visible emissions or odors were observed.

SEP 0 3 2002

KOPPERS INDS. INC. PORTLAND OR

- The facility was in operation at the time of inspection.
- The facility was operating at normal levels at the time of inspection.

286 3681

- General conditions of the facility (housekeeping, fugitive emissions, etc) were good.
- Weather Condition: 70 degrees, sunny sky, and light wind.

### Permit Conditions Reviewed During Inspection

Condition #	Description	In Compliance?
7,8,9,10	Plant Site Emission Limit	Y
16	Monitoring/Recordkeeping	Y
17,18	Annual Report	Y

# Review of Annual or Semi-Annual Reports During Inspection

The facility is current with submitting an annual report to the Department for each year the permit has been in effect, in accordance with current permit reporting requirements.

## Compliance Status of Facility

Check one of the following:

X	Facility is in compliance with the permit conditions described above.
	Facility is not in compliance with one or more of the permit conditions described
	above (provide additional detail below).

Is the facility under a compliance schedule to correct previous compliance problem(s)? Check one of the following:

X	Facility is not under a compliance schedule to correct previous noncompliance.				
	Facility is on schedule to correct previous noncompliance.				
	Facility is not on schedule to correct previous noncompliance (provide additional				
<u> </u>	detail below).				

Is the facility under a compliance schedule to comply with future requirement(s)? Check one of the following:

X	Facility is not under a compliance schedule for future requirement(s).				
]	Facility is on schedule to meet future requirement(s).				
	Facility is not on schedule to meet future requirement(s) (provide additional				
	detail below).				

Amos Kamerer, Plant Manager Koppers Industries, Inc. 7540 NW St. Helens Rd. Portland, OR 97210-3663

DEQ, AQ Source File

Post-it® Fax Note 7671	Date 9/4/0 2 pages 2
To J. Dietz	From Amos
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Fax#	Fax #





: KOPPERS INDUSTRIES, INC.

Department of Environmental Quality

Northwest Region Portland Office 2020 SW 4th Avenue, Suite 400 Portland, OR 97201-4987 (503) 229-5263 FAX (503) 229-6957 TTY (503) 229-5471

Amos S. Kamerer
Plant Manager
Koppers Industries, Inc.
7540 NW St. Helens Road
Portland OR 97210

JUL 06 2000

Re: WQ-Multnomah County

Koppers Industries, Inc. Facility No. 47430 WQ-NWR-2000-75

NOTICE OF NONCOMPLIANCE

A review of your facility discharge monitoring report for May 2000 for your NPDES individual permit shows the following permit limit exceedance:

Violation: Monthly average phenols concentration of 0.54 mg/L. Your permit limit is 0.5 mg/L.

The above violation is a Class II violation of your permit. Oregon Administrative Rule 340-12-041(2)(c) provides that a permittee shall not receive more than three NONs for Class II violations of the same permit within a thirty-six (36) month period without being issued a more formal enforcement action called a Notice of Permit Violation (NPV). The Department may, however, issue a NPV prior to the third NON. The Department requests your cooperation in ensuring that this violation does not recur.

### **Corrective Action Required:**

Your June 5<sup>th</sup> letter stated that you took only one phenol sample in May and that since it was below the permit daily maximum limit of 0.7 mg/L, you believed you were in compliance. There is no required corrective action, but the Department recommends additional sampling if a single sample is higher than the average. If you collect only one sample during a given month, it must be below the monthly average limit to be in compliance.

This Notice of Noncompliance suggests you use pollution prevention activities. Using pollution prevention can save you money through lower costs for resources or raw materials, energy and water, waste disposal or waste management, pollution control



equipment, occupational injuries, and DEQ permit costs, emission fees, and hazardous waste generation fees. Pollution prevention can also lead to improved worker health and safety, and increased efficiency or productivity through diverting investments in waste management into the manufacturing process.

What is pollution prevention? Preventing environmental degradation at the source. Pollution prevention can be achieved by:

- protection of natural resources by conservation and improved management practices;
- increased efficiency in the use of raw materials, energy, water, or other resources; or
- source reduction and other practices that reduce or eliminate the creation of pollutants.

The brochure, Industry and the Environment, Pollution Prevention Opportunities, is enclosed for additional information.

Please contact Kevin Masterson, DEQ Northwest Region, 503/229-5615, if you have pollution prevention questions.

Please contact Elliot Zais, DEQ Northwest Region, 503/229-5292, if you have questions about this Notice of Noncompliance.

Sincerely,

Robert P. Baumgartner

When the

Manager, Water Quality Source Control

Northwest Region

cc: WQ Division, DEQ

Enforcement Section, DEQ

BBE - 7 2009

KOPPERS MUS. POP PORTLAND GR CC: J. Dieta T. Self

m. Cilley

F.Y.I.

Amos 7/10/00



286 3681

1900,08-28

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Portland, Oregon 97210-3663

Phone: (503) 286-3691 Fax: (503) 285-2831 Web Page: www.koppers.com

# INDUSTRIES |

FAX TRANSMITTAL

TO: J. Dietz, T. Self, M. Cilly, B. Meisinger	DATE:	8/28/00
FROM: Amos	TOTAL	# OF PAGES: LO
The Attached is Sefl-explanatory		
I have told Bub Wratt, NWN that		want to
have this Resolved by 10/1/00 -		

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831

# HAHN AND ASSOCIATES, INC. ENVIRONMENTAL CONSULTANTS

August 24, 2000

Mr. Eric Blischke
Oregon Department of Environmental Quality
Voluntary Cleanup and Site Assessment Section
2020 SW 4th Avenue
Portland, Oregon 97201

HAI Project No. 2708

SUBJECT: Groundwater Quality Data, Above-Ground Storage Tank Support Piling Monitoring, Koppers Industries, Inc. Lease Area, NW Natural-Gasco Facility, 7900 NW St. Helens Road, Portland, Oregon

Dear Mr. Blischke:

On behalf of NW Natural, enclosed please find a summary of groundwater quality data (Tables 1 and 2) as obtained from wells at the Gasco site that monitor groundwater conditions down-gradient from the new above-ground coal tar pitch tank that was constructed by Koppers Industries, Inc. (KII) in 1999 (Figure 1).

As you are aware, monitoring wells MW-14-110, MW-15-50, and MW-15-66; all downgradient of the tank foundation pilings within the Alluvial Sand water-bearing zone (WBZ); are being monitored on a quarterly sampling frequency as per a December 14, 1999 assessment plan<sup>1</sup> that has been implemented such that an evaluation of environmental impacts associated with piling construction for the new coal tar pitch tank may be conducted. Pilings were driven in May 1999, while wells MW-15-50 and MW-15-66 were installed in July 1999, and well MW-14-110 was installed in October 1998.

The primary objective of the monitoring activities has been the acquisition of sufficient data such that the likely source of polynuclear aromatic hydrocarbon (PAH) and aromatic hydrocarbon (particularly benzene) contamination identified at the MW-15-50 well location could be ascertained. Specifically, monitoring activities were designed such that a determination as to whether the impacts identified at MW-15-50: (1) pre-date the installation of tank foundation pilings; (2) are the result of limited piling drag-down of shallow contamination into the Alluvial Sand WBZ; or (3) are the result of the pilings acting as an on-going conduit for the continued migration of shallow contamination into the Alluvial Sand WBZ. The preceding determination is necessary in order to evaluate whether tank installation procedures have exacerbated existing contamination at the site, since KII desires to commence construction of a second tank in this area during 2001.

As provided within the Assessment Plan (HAI 1999), monitoring activities were completed over the course of one year to allow for the identification and evaluation of concentration trends at the wells such that the type/mechanism of the contaminant source currently identified at the MW-15-50 location could be ascertained. With completion of the June 2000 sampling event, one year of groundwater quality data are now available, and an interpretation of trends in contaminant concentrations are provided herein.

434 NW 6th AVENUE, SUITE 203 • PORTLAND, OREGON 97209-365)
503/796-0717 OFFICE • 503/227-2209 FAX
www.hahnasoc.com

<sup>&</sup>lt;sup>1</sup> Hahn and Associates, Inc. (1999), Proposed Assessment Plan, Above-Ground Storage Tank Support Pilings, Koppers Lease Area, Northwest Natural Lease Area, Northwest Natural-Gasco Facility, 7900 NW St. Helens Road, Portland, Oregon (Ede to Blischke), December 14, 1999.

Koppers Above-Ground Storage Tank Data Evaluation NW Natural - Gasco Facility 7900 NW St. Helens Road Portland, Oregon

Page 2 of 2 Project No. 2708 August 24, 2000

1900,08-28

Figures 2 and 3 provide charts depicting benzene and total PAH concentrations through time at the MW-15-50 well location. As depicted on Figure 2, and as summarized on Table 1, benzene concentrations at the MW-15-50 well location have decreased from a high of 95,100 parts per billion (ppb) in July 1999 to a low of 1,270 ppb in June 2000, while total PAH concentrations have declined from a high of 18,460 ppb to a low of 451 ppb over the same time-frame.

With regard to well MW-15-66, screened just beneath well MW-15-50 at the base of the Alluvial Sand WBZ, samples from this well have consistently indicated a lack of detectable benzene concentrations, while total PAH concentrations have remained low (Tables 1 and 2).

Furthermore, since installation of the tank support pilings in May 1999, no increasing concentrations of PAHs or benzene have been identified at the well MW-14-110 location. screened at the base of the Alluvial Sand WBZ approximately 250 feet down-gradient of the tank support pilings (Tables 1 and 2, Figures 4 and 5).

Under a scenario involving on ongoing source of contamination to the Alluvial Sand WBZ, one would expect stable or increasing concentration trends at the MW-15-50 location. with a strong increasing trend in contaminant concentrations at well MW-15-66. Since trends observed to date indicate a decline in concentrations through time at the MW-15-50 location, and non-detect to low concentrations at MW-15-66, it does not appear that piling installation has resulted in creation of an artificial conduit leading to exacerbation of overall site contamination. Instead, contamination identified within the Alluvial Sand WBZ at the MW-15-50 well location location is likely the result of "one-time" contaminant drag-down during the piling installation. The slug of contamination resulting from the piling construction would not be expected to significantly contribute to the existing site contamination since this slug would attenuate and be masked by an existing plume of greater concentration within the Alluvial Sand WBZ at down-gradient portions of the site.

Based on the findings described herein, it is requested that DEQ remove the moratorium on further tank construction activities at the site.

If there are any comments or questions, please contact the undersigned.

Sincerely.

Robert Ede

Sr. Project Manager

Ms. Sandra Hart, NW Natural

Mr. Bob Wyatt, NW Natural

Mr. Amos Kamerer, Koppers Industries, Inc.

Mr. Richard Bach, Stoel Rives, LLP

Mr. Steve Cappellino, Anchor Environmental LLC

Table 1 - Summary of Historical Analytical Results for Groundwater Samples; BTEX, Total PAHs, and Cyanide (November 1998 to Present)

Remedial Investigation

Northwest Natural - Gasco Facility

Portland, Oregon

Project No. 2708

Well	HAL	Chain of	Semple	Analytical Results								
Number:	Sample	Custody Number	Date	#E.43953	ovent/	EPA Method 802			od 8270 SIM (ppb)	EPA 9010 :	EPA 901 moli (ppm)	
	Majimbay!			Banzane	Toluene	Ethyl benzene	Xylerieli	Total BTEX	Carcinogenia PAHs	Total PAHs	Total Cyanida	Amenable Cyanide
MW-14-110	981118-MW14-110-08	2708-14037	16-Nov-98	talamentala.	ND>0,5	ND>0.5	ND>1.5	3.2	ND	ND	0.05	
	990216-MW14-110-005	2706-0/042	16-Feb-09	1127	ND=0.5	0.6	ND>1.5	13.3	ND	0.11	0.04	ND>0.02
	990512-MW14-110-09	2708-V\U45	12-May-99	22.1	ND>0.5	1,88	2.4	25,4	ND	0.28	0.03	0.0
	890823-MW14-110-06	2708-W049	23-Aug-99	46.0	0.75	1,85	2.09	50.3	ND	0.41	0.05	ND>0.02
	\$81027-MW14-110-09	2708-W055	27-Oct-99	28.6	0,81	1	ND>1.5	30.9	ND	0.25	0.04	ND=0.02
	891027-MW14-110-10	2708-W055	27-Oct-98	29.7	0.57		ND>1.5	31.8	ND	0.27		ND>0.02
	000329-MW14-110-109	2708-W060	29-Mar-00	1 22 7 3 6 4 6 1 3 7 7 1 1 1 1	ND>0.5	1	ND>1.5	8.6	ND	0.42	0.03	NID>0.02
	000329-MW14-110-110	2708-14060	29-Mer-00	8.9	0,5		ND>1.5		ND	0.42	0.03	ND=0.02
	000615-MW14-110-102	2708-14064	15-/un-00	1 生はななどとさまりをしいしょく	ND>0.5	ł .	ND>1.5	4.9	ND	0.2		NO>0.02
MW-15-50	990728-MW15-50-04	2708-1/048	28-Jul-99	95.100	863.	223.	2,420.	98,606.	ND	16,460.	ND>0.020	ND>0.02
	891029-MW15-50-25	2708-44057	29-Oct-99	8.910	134.	59.2	500.	9,603.2	ND	762.	11.14	ND>0.02
	000403-ANV15-50-125	2708-44062	3-Aor-00	44,800.	620.	222.	2,300.	47,942	1242 / 12 to 13 1	5,811.	0.07	ND>0.02
	000615-1/0/15-50-105	2708-14064	15-Jun-00	1.490	14.3	8.82	42.	1,552.9	288	475		ND>0.02
	000815-MW15-60-108	2708-44064	15-Jun-00	1.270	10.	5.16	28.4	1,313.6	754	451.		ND>0.02
MW-15-66	990728-MW15-68-03	2708-14048	28-Jul-09	3,81	ND>0.5	ND>0.5	ND>1.5	3.6	0.83	3.	ND>0.020	ND>0.02
	990823-MW15-66-04	2708-W050	23-Aug-99	0.72	ND>0.5	ND>0.5	ND>1.5	0.7			1	
	991026-MW15-86-07	2708-1/054	26-Cot-69	ND=0,5	ND>0.5	ND>0.5	ND>1,5	ND	ND	ND	ND>0.020	ND>0.02
	000329-MW15-68-108	2708-14060	29-Mer-00	ND>0,6	ND>0.5	ND>0.5	NED>1.5	ND	101 18 18 18 SOI	. 7.	ND>0.02	ND=0.02
	000815-MW15-50-104	2708-04064	15 Jun-00	ND>0.5	ND>0.5	ND>0.5	MD>1.5	ND	12.17	27.	L	NO-0.02
РА Мехітита С	ordaminant Levels (MCLat for	Odnikima Wester	Mary Controls	Bearing & Spin	1.000	700	10,000	8 Y	<b>3</b> v. 16 v. 16 v.	<b>#</b> ************************************	0.2	<b>₩</b> 752.8379. +20
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Nota:

BTEX = berzene, bûtene, estybenzene, and sylenes DEQ = Cregon Department of Environmental Quality EPA = U.S. Emironmental Profection Agency

mpi = milipremeNter ND = not detected above detection limit indicated PAHs = polynucles/ aromatic hydrocerbons

ppb = parts per billion spm > parts per million ug4 = micrograms per litar \$ = Reference Level not established Bord and shaded ≠ Detected #howe Lowest Identified Reference Level

EPA ~ U.S. Emirginization prendo production agency PARIS = polynocides according to runther predoction agency PARIS = polynocides according to runther predoction agency (Authority Production) and Fish Consumption (Human Hazlih Protection) 3 = Reference Level based on Aquetic Fresh Chronic Criteria of AWQC
4 = Reference Level based on Human Fish Consumption Criteria of AWQC

Table 2 - Summary of Historical Analytical Results for Groundwater Samples: PAHs by EPA Method 8270 (November 1998 to Present)

Remediat Investigation

Northwest Natural - Gasoo Feelity

Porsand, Oregon

Project No. 2708

PAHaby EP	A Method 8270 (SIM)										Anı	lytical Rose ugfi (ppb)		1/ 4		\$ ئۆلەر . ۋە ئەن ئارىخى ئاراد د					
					<del>,</del>	Car	cinegarie Pi	Ho						Non-c	arcinocenic	PAH					
West Number	Sorijae Numbon	Chain of Custady Number	Sangae Dorie	Secure (1) Arthraceme	Serzo (b) Succentrates	Serzo (k) fluoranthene	Senzo (d) pyrene		Otimizo (ah) erdiraszerie	idaro (1.23-cd) prient	Acer agreement	homaptiliylera	Arthurens	Botto (ph) paylere	Richardone	Fluxere	e september	g võngulinte (j	June	Total Cardingarit. PAHs	Total PAUS
MW-14-110	981116-MW14-110-00	2708-W037	18-Nov-98	ND*	NC '	NO '	ND '	ND'	ND '	ND '	ND "	NO '	ND 1	ND'	ND 1	ND.	ND *	ND*	NO.	ND	ND
	990216-MW14-110-005	2708-11042	15-Feb-99	HD.	ND'	ND'	ND'	י פא	י פא	ND'	0.11	ND'	י פא	ND'	ND'	ND'	ND*	ND*	NID "	ND	0.1
	890512-MW14-110-09	2708-W045	12-May-89	NO 1	ND'	ND1	ND*	ND'	יסא	ND <sup>4</sup>	0.14	ND'	יסא.	ND1	ND'	ND*	0.14	ND *	ND'	ND	0.3
	990823-MW14-110-06	2708-W049	23-Aug-89	ND *	ND.	ND'	ND.	ND'	ND'	ND'	0.29	יסא.	ND.	ND'	ND.	ND "	0.12	₩0.	ND'	ND	0.4
	991027-A/W14-110-09	270B-W055	27-Oct-99	ND'	ND'	יסא	ND.	ND.	ND'	ND'	0.28	ND'	ND'	ND'		ND.	MD.	MD 4		ND	0.3
	991027-1/14-110-09	2708-W055	27-Oct-69	ND'	ND'	ND'	ND*	ND*	ND*	ND"	0.28	ND'	ND'	NO.	ND.	HD.	NO.			NO.	0.3
	000329-MW14-110-109	2708-14060	28-Masy-00	ND'	ND'	ND *	ND*	NO.	*סא	ND.	0.42	יסא	ND.	ND.	ND *		MD .	1	ND.	ND	0.4
	000328-MW14-110-110	2708-W060	29-144/-00	ND'	ND.	ND*	ND.	ND.	ND*	ND *	0.42	ND.	ND.	ND"	ND.	NEO "	ND'		ND.	ND	0.4
	000815-MW14-110-102	2708-V-084	15-Jun-00	ND.	ND.	ND*	NO *	NO"	יסא.	NO *	0.18	י סא	ND.	NO.	NO *	ND1	ND'	ND'		NO	0.2
MW-15-50	990728-MW15-60-04	2708-W048	28-Jul-09	ND	ND d	NO d	ND 4	MD4	HD4	KD 4	50A	8,510.	HD 4	NID *	NO '	83.	8,700	117.	NDd	NO	18,450.
	981029-MW15-50-25	2708-W057	28-Oct-98	ND*	ND*	ND*	HD*	NO*	NED*	NED.	NED *	20.	NO'	MD"	ND.	ND*	716	26.	ND*	בא	782.
	000403-MW/15-50-125	2708-W062	3-Apr-00	0.79	0,51	0.49	0.55	0.73	NO *	0.24	22.	41.6	2.91	0.25	8.01	23.6	5,400	25.9	5.10	1. 3.31	5,811.
	000015-MW15-60-105	2708-14084	15-Jun-00	43.5	45.5	38.5	67.1	40.5	8.95	33.5	2.91	0.59	4.11	41.8	59.7	1.68	1.23	25.	60.1	2 57,85	475.
	000815-MW/15-50-108	2708-W064	15-Jun-00	40	1.7 441	36.3	1 53.4	10.3	8.67	32.6	2.95	0.77	4.1	40.2	64.1	1.71	1.23	23.8	57.3	253.67	451.
MW-15-68	890728-MNV15-66-00	2708-44048	28-Jul 199	0.18	0.26	ND.	0.15	0.15	ND.	. (1:0.11:	0.11		ND.	0.14	0.3	ND.	0.57	0.17	0.34	0.83	2.5
	991026-MW15-86-07	2708-W054	28-Oct-98	ND"	ND*	ND'	ND"	ND.	ND*		ND"	1	ND'	ND.	1	ND.	ND'		ND.		ND
	000028-MN/15-66-108	270B-W060	19-Mar-00	0.57	0.59	0.0	0.77	0.67	0.18	0.53	ND'	ND'	0.11	0.68	0.98		י סא	0.33	0.90	3.91	9.0
	000815-NW15-50-104	2708-W064	15-Ain-00	12 32 1.03	1.98	1.61	2.64	1.91	0.57	1.55	0.14	ND4	0.19	2,04	3.32	HD.	ND '	1.07	2.92	12.17	22.1
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Koppers012999

Note: 8 = Reterance Level not established EPA = U.S. Environmental Protection Agency ND = not detected above detection limit indicated ODEQ = Oregon Department of Environmental Quality PAHs = polynucies: aromatic hydrocartons ppb = paris per billion

ugh = mkrograms per liter Bold and shaded = Defected above lowest identified Reference Level

s = detection (lmit is 0,1 ug/l (ppb) b = detection (lmit is 1, ug/l (opb) b = detection finit is 2, ug/l (ppb)

d = detection limit is 10. Log((pph)) e = detection timil is 20. Log((pph))

1 = Sample number praint: 2705.
2 = Reference Level Indicated is the lowest quidance value provided in this Ambient Water Quality Criteria (QAR 3-(0-41) based on Frish Acute, Fresh Chronic (Aquetic Ufe Protection) and Fish Consumertion Only (Human Health Protection).
3 = Reference Level based on Aquetic Frish Chronic Criteria of AWQC.
4 = Reference Level based on Numan Fish Consumeration Criteria of AWQC.

Figure 2 Benzene Concentration through Time Monitoring Well MW-15-50 NW Natural - Gasco Facility

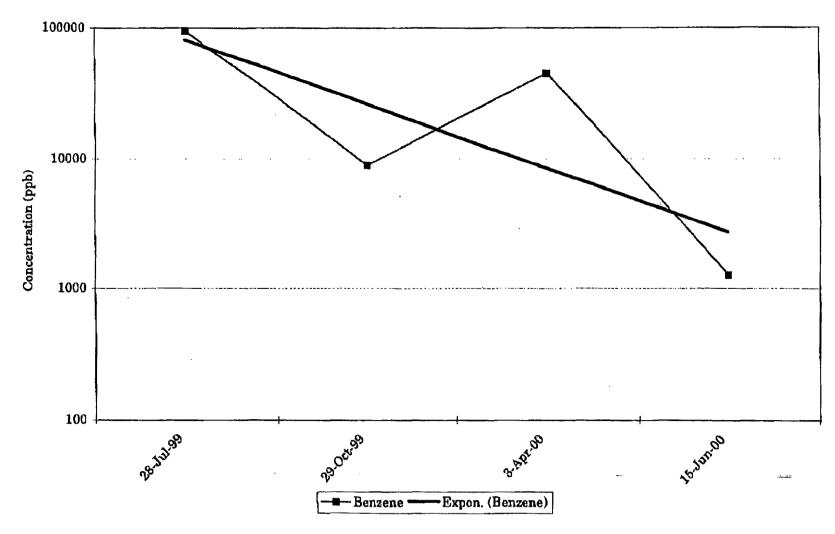


Figure 3
Total PAH Concentration through Time
Monitoring Well MW-15-50
NW Natural - Gasco Facility

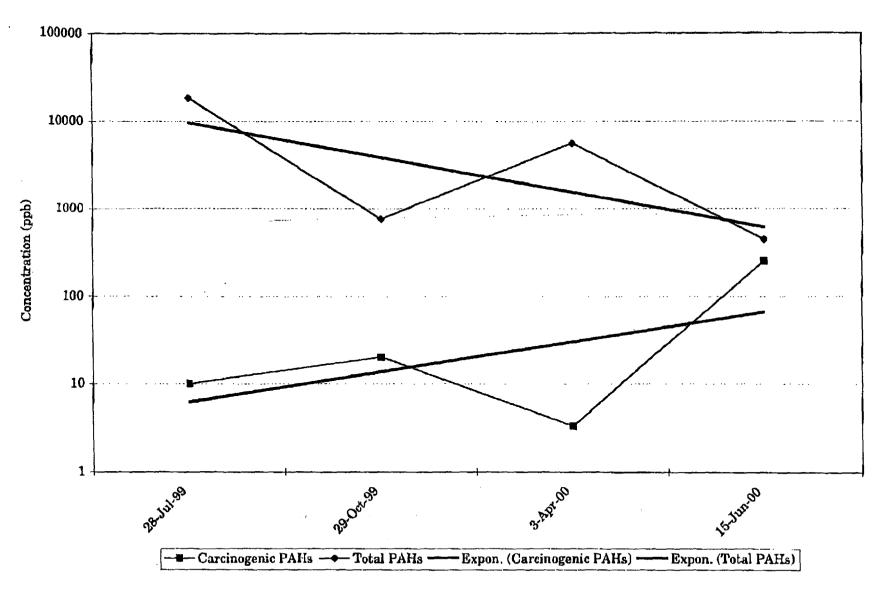
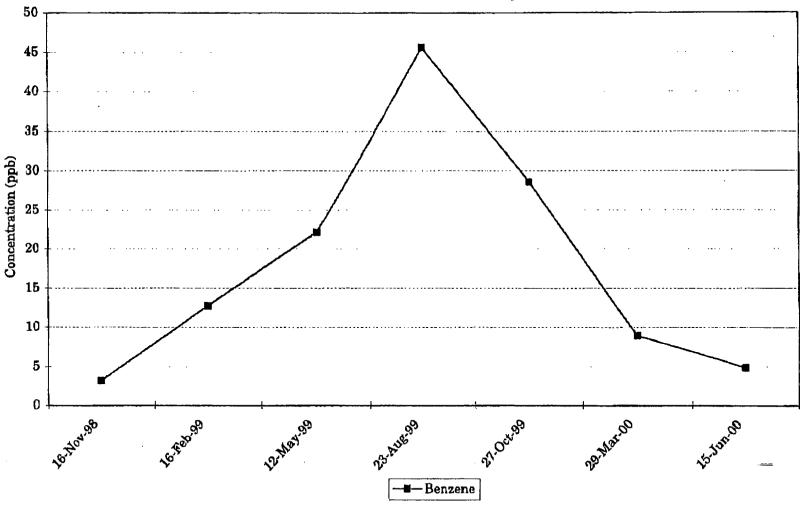
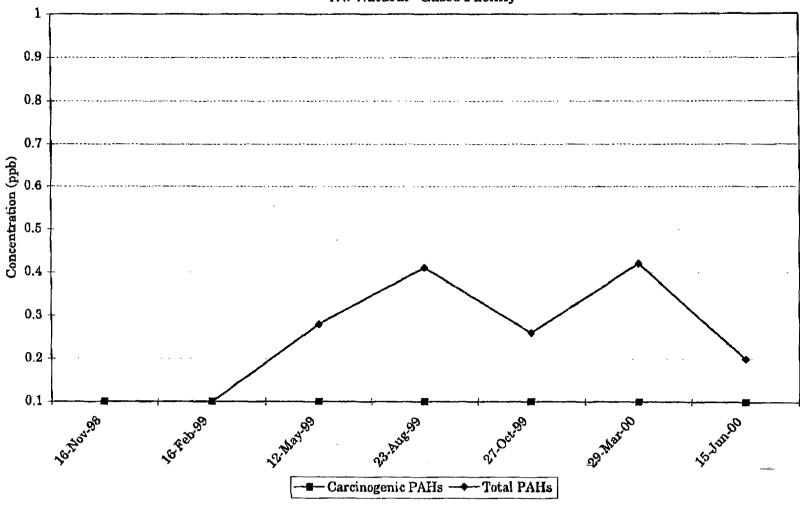


Figure 4
Benzene Concentation through Time
Monitoring Well MW-14-110
NW Natural - Gasco Facility



13:22

Figure 5
Total PAH Concentration through Time
Monitoring Well MW-14-110
NW Natural - Gasco Facility



09:08



Koppers Industries, Inc. 7540 N.W. St. Helens Road Portland, OR 97210-3663

Amos S. Kamerer Plant Manager Telephone: 503-286-3681 Fax: 503-285-2831

June 5, 2000

Oregon department of Environmental Quality Northwest Region 2020 SW fourth Avenue, Suite 400 Portland, Oregon 97201-4987

Attention: Elliot Zais

To confirm our telephone conversation of last Friday, June 02, 2000 attached please find the Discharge Monitoring Report for May 2000.

As discussed, this report reflects that we had an excellence during the month of May, of our Phenols permit limit. The permit limit is .5 MG/L monthly average, and .7 MG/L maximum daily limit. The test result on our first sample for the month was .54 MG/L, and because it was below the .7 MG/L maximum limit, it was thought to be OK.

We now understand that we should have re-sampled and re-tested for verification or possible correction, prior to the discharge of the storm water.

Needless to say I regret the error, and I will do all that I can to avoid having this type of error happening again.

If you have any questions, please contact me at 286-3681, or via e-mail at: amos\_kamerer@koppers.com

Sincerely

Amos S. Karnerer

CC: J. Holtrop, City of Portland

J. Dietz, KII

T. Self, KII

M. Cilley, KII

FROM

PERMITTE	E NAME/ADDRESS (Inches Facility Name/Lossilon (*Different)
NAME	Koppers Industries, Inc.
ADDRESS	7540 NW Saint Helens Road
•	Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION BYBTEM (NPDES)
DIBCHARGE MONITORING REPORT (DMR)
(2-16)

MONITORING PERIOD

PERMIT NUMBER

FROM OO OS OL TO

(20-21) (22-25) (24-26)

005 DISCHARGE NUMBER

YEAR MO DAY 00 05 31

(28-27) (28-29) (30-91)

47430 101642 Form Approved, OMB No. 2040-0004 Approval expires 05-31-88

NOTE: Read instructions before completing this form.

PARAMETER		19 Cord Only) QUA 146-531	NTITY OR LOADIN	<b>Q</b>	(38-46) QUANTITY OR CONCENTRATION (38-46) (46-65) (54-81)					PREQUENCY	SAMPLE
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TEMP	PERMIT REQUIREMENT				N/A	N/A	ANI	C .			
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Clean air Clean water Clear thinking



# Oregon Environmental Council

FILE PORTAND-ENIROLMENPAR RECEIVED

16:00

FEB 1 8 2000

KOPPERS INDS, INC

#### BOARD OF DIRECTORS

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Josse Reader <u>Lake</u> Öswego

James Whitty Footland

Executive Director

Amos S. Kamerer Koppers Industries 7540 NW St Helens Road Portland, OR 97210

Dear Mr. Kamerer:

February 17, 2000.

Post-it® Fax Note 7671	Dal 2/18/00 # of pages 3
To J. Dietz	From Ames
T. Self	Co.
M. Cilley	Phone #
F.Y.I.	I'll order the
	Report.

A new effort to phase out the use of persistent, bioaccumulative and toxic chemicals (PBTs) took hold here in Oregon in September, when Governor John Kitzhaber signed an Executive Order directing the Oregon Department of Environmental Quality (DEQ) to seek zero discharge of PBTs by 2020 (for text of the Executive Order, see http://www.governor.state.or.us/governor/legal/execords.html).

PBTs are of special concern because they persist for decades in the environment and build up in the food supply of humans and wildlife. They are linked to a number of health problems, including cancer, birth defects and disruption of the hormone system. And they are causing a number of problems here in Oregon. For example, fish consumption advisories have been issued for seven waterbodies in Oregon, including the entire mainstern of the Willamette River, due to mercury contamination.

The Oregon Environmental Council (OEC) embarked on a research effort last fall to collect basic information about the sources of PBTs in Oregon. The results of our research are captured in a new report to be released next week. Zero Tolerance. Persistent Poisons in Oregon: Sources and Solutions provides the first-ever assessment in Oregon of the sources of 12 PBTs: five banned pesticides, benzo(a)pyrene, dioxins/firans, hexachlorobenzene, lead, mercury, octachlorostyrene and PCBs. The report lists 64 industrial and municipal facilities and several "non-point" sources which are known or expected sources of these 12 PBTs (the one-page Executive Summary is enclosed, for your information)

We are writing because your facility has been identified as a known or expected source of one or more PBTs,

We are writing to tell you this for several reasons.

520 SW 6th Avenue, Suite 940. Portland, Oregon 97204-1535 Voice (503) 222-1963 Fax (503) 222-1405 oec@orcouncil.org www.orcouncil.org

16:01



First, we thought you should hear from us directly before you hear about our report elsewhere. Nobody likes surprises.

Second, we realize that the accumulated information is far from perfect. In fact, our report found that inadequate government programs have left alarming gaps in the state's knowledge about PBTs in Oregon. If you do not believe your facility is a source of PBTs, or if you have other information for us, we would certainly like to know about it.

Third, and most importantly, we need your help. The Governor's Executive Order marks the beginning of a major change in Oregon's approach to PBTs, and DEQ is beginning to develop a strategy to eliminate the discharge of these persistent poisons. OEC's report outlines more than 15 recommendations including voluntary, market-based and regulatory tools to reach zero discharge. However, we believe the best way to eliminate these persistent poisons from Oregon is through a collaborative process that engages stakeholders from all source categories to develop a comprehensive strategy. We hope you will be an active partner in solving this major pollution problem, and we invite your comments and suggestions.

If you would like to discuss the report's findings or our work on PBTs in more detail, please call me at 503-222-1963, ext. 111, or send an email to laura@orcouncil.org. For more information about DEQ's PBT strategy, you can contact Mr. Rick Gates in Portland at 503-229-5983.

Sincerely,

Laura Weiss:

Pesticide and Toxics Program Director

P.S. Copies of the 36-page report are available for \$10. You can use the enclosed response envelope or call 503-222-1963, ext. 100, to order a copy.

#### **EXECUTIVE SUMMARY**

Decades after learning about the dangers posed by persistent poisons like DDT, mercury and dioxin, we are still allowing the release of many of these dangerous and long-lived chemicals in Oregon. In response to this public health and environmental threat, Governor John Kitzhaber recently signed an Executive Order directing the Oregon Department of Environmental Quality (DEQ) to eliminate the release of all persistent, bioaccumulative and toxic pollutants by the year 2020.

Persistent poisons remain in the environment for decades and concentrate in the bodies of humans and wildlife. As a result, when they are discharged into the air and water, or onto the land, they leave a legacy of toxic contamination, posing serious threats to public health and the environment, and causing expensive cleanup sites. For example:

- Some 700 miles of streams and rivers throughout Oregon do not meet standards for safe fish consumption because of persistent poisons such as mercury, dioxin, PCBs and pesticides.
- Nearly three decades after it was banned, DDT is still being found in streams at levels that violate the Clean Water Act, from suburban Portland to Malheur County in southeastern Oregon.
- On the Columbia River, exposure to dioxins/furans, PCBs and certain pesticides is linked to problems with reproductive tract development in young male otters. The more heavily contaminated males were found to have smaller penile bones and testicles.
- The Portland Harbor qualifies as a federal Superfund site because of contamination by a toxic alphabet soup of persistent poisons, including DDT, PCBs, PAHs and TCDD to name a few.

Despite this evidence and the tremendous potential harm from persistent poisons, we have done little or nothing to stop the flow of these pollutants in Oregon. For several decades, our environmental programs have focused on managing toxic discharges at "safe" levels. However, persistent poisons by their very nature cannot be "managed." We must implement strategies that lead quickly to their elimination.

In addition, inadequate government programs to track persistent poisons have left an alarming gap in our knowledge about the sources of these chemicals here in Oregon. For example, DEQ has not required most industrial facilities which are likely sources of persistent poisons to monitor for those pollutants, nor does it track permitted air and water discharges by chemical in a centralized database, thereby making it impossible to measure progress toward zero discharge.

This report by the Oregon Environmental Council (OEC) provides a first-ever, in-depth look at 12 of the most dangerous and persistent poisons found in Oregon. The report describes where they are coming from, how they are affecting our environment and our health, and how we can get rid of them. Key elements of this report include:

- A first-ever list of 64 industrial and municipal sources throughout Oregon that are known or expected to be discharging persistent poisons, many of them without adequate testing or permit conditions.
- An inventory of scattered "non-point" sources of persistent poisons, such as mercury in fluorescent light bulbs, heavy metals and dioxins in fertilizers, and pollutants from burning of household trash in barrels.
- A review of 12 of the worst persistent poisons and their health effects.
- More than a dozen recommendations for voluntary, market-based and regulatory strategies to begin phasing
  out persistent poisons, such as a new "toxics" tax and strengthened air and water permit requirements.



Water Pollution Control Laboratory 6543 N. Burlington Ave., Portland, Oregon 97203-5452 (503) 823-5600

July 29, 1999

Amos Kamerer Koppers Industries Inc. 7540 NW St. Helens Rd. Portland, OR 97229

RE: Facility Inspection of June 23, 1999.

Dear Mr. Kamerer:

Thank you for your time and cooperation during the recent inspection of your facility. There were no issues requiring attention noted during the inspection and Koppers appears to be doing a good job of complying with the conditions of its NPDES permit. The City of Portland appreciates your efforts.

Sincerely

John Holtrop

Industrial Stormwater Section

CC: J. Picta T. Self

RECEIVED

F. 18 - 3 1859

KOPPERSINDS, INC. PORTLAND OR

286 3681

1999,06-22 PORTLAND ENVIRONMENTAL

#593 P.01/03

**KOPPERS INDUSTRIES** 

**FAX TRANSMITTAL** 

7540 N.W. Saint Helens Rd. Portland, Oregon 97210-3663 Phone: (503) 286-3681

Fax: (503) 285-2831 Web Page: www.koppers.com

TO: Dietz, Self, Meisinger	DATE: 6/22/99
FROM: Amos	TOTAL # OF PAGES: 3
See my e-mail this date, & Enspection Report.	eganding the arrached
Signer Regold.	

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831

# OF ENVIRONMENTAL QUALITY

Northwest Region -- Air Quality Section

JUN 2 1 1999

KOPPERS INDS. INC. PORTLAND OR

Inspection Report

Date: June 15, 1999

Company: Koppers Industries

County: Multnomah

File No.: 26-2930

Interviewee: Amos Kamerer

Phone: 286-3681

City: Portland

Address: 7540 NW St. Helens Road

Inspection

Date: 15 Jun 99

Conditions: Low, thick overcast; variable winds

### Narrative:

Jennifer Yockum, of the Department's headquarters staff, accompanied me on this visit.

Koppers Industries receives pencil pitch, a solid form of coal tar, heats the product to a liquid state, and ships it out via rail and truck. The facility is also a transfer point for heavy oil. Until this year, the facility was a transfer point for creosote, which has a penetrating odor at low levels of escaped gas. The facility is located in the northwest industrial area between Highway 30 (St. Helens Road) to the west and Wacker Siltronic Corp. to the east. The facility area is leased from Northwest Natural (formerly Northwest Natural Gas), and has been in existence since 1965.

Liquid coal tar is used by the aluminum industry. It is called electrode binder pitch and is molded into anodes used in the electric current smelting process. One pound of coal tar pitch is used for each ten pounds of aluminum produced. Pencil pitch is received from manne vessels at the Port of Portland and transported to the facility by truck. The raw material is unloaded into a large, open warehouse. In its solid form, pencil pitch is cylindrical and about two inches in diameter. It can be a source of fugitive particulate emissions as pieces flake off as they are rubbed together during the unloading process. The area near the warehouse opening is cleaned with a street sweeper, then water hoses, after each delivery. The collected material is processed to recover as much raw material as is feasible, and the remainder is disposed of at the Hillsboro landfill. The doors are closed during times of high winds. The possibility exists that a wind could carry pencil pitch particles onto the neighboring site during an unloading operation, or if the area near the warehouse doors is not cleaned between loads. The edge of Koppers' property is less than 30 yards from the south door of the warehouse.

The company plans to stop shipments of pencil pitch and instead receive the coal tar in its original liquid form some time within the next three years. A new storage tank to accommodate the change is currently being constructed. It is expected that a second tank and a pipeline to the marine vessel off-loading area at the Port will be added by the end of the year 2002. The company is examining the feasibility of adding a thermal oxidizer when the second tank is constructed. It is believed that the current fume recovery system will become inadequate with the addition of the second tank.

The current fume recovery system consists of insulated piping to which all heated storage tanks are vented, and a demister to collect particulate prior to the exhaust of gasses. The temperature at the demister is supposed to be 180-200° F, but the temperature rises during the 5-day work week as continuous use heats the air at the collection tank upon which the demister sits. The company plans to add a cooling unit to the process.

Weather conditions did not allow for an opacity reading on the demister stack. It appeared that opacity ranged from 15% to as much as 35% during the time we toured the plant. I explained opacity, and the method used for judging it, to Mr. Kamerer. We compared the discharge from the boiler stack, which was clearly steam, to the exhaust of the demister stack, which had a brown tinge to it and did not disperse as quickly as the steam. The demister stack is considered to be in marginal compliance until an opacity reading can be done. Mr. Kamerer said he would speak to the company's environmental manager about the problem.

The 21 million Btu boiler was operating on low pressure during the time of the inspection. Steam was the only visible emission from the boiler stack.

Odor complaints to the facility have dropped considerably since the cessation of the receipt of creosote. A slight odor was detected on site, but no odors were detected off site.

The facility was found to be in marginal compliance for opacity limits at the demister stack. The facility was found to be in full compliance with all other permit conditions at the time of the inspection.

Submitted by: Kathy Amidon

Koppers Industries, Inc. 7540 NW St. Helens Road Portland, OR 97210-3663



J. Pretz, K-1650

Koppers Industries, Inc. 7540 N.W. St. Helens Road Portland, OR 97210-3663

> Telephone: 503-286-3681 Fax: 503-285-2831

Amos S. Kamerer Plant Manager

June 25, 1999

Rebecca Paul Environmental Specialist Department of Environmental Quality Northwest Region 2020 SW Fourth Avenue, Suite 400 Portland, Oregon 97201-4987

Re: HW-Multnomah County Koppers Industries ORD 027734359 NWR-HW-99-042 Notice of Noncompliance

Dear Ms. Paul,

This is in response to your June 4th, 1999 NON letter to Mr. T. J. Turner that is referenced above.

VIOLATION 1: ORD-340-122-012 Failure to perform a hazardous waste determination on seven drums located at the facility.

A review of the seven drums is as follows:

- a) One drum contained a citrus based material manufactured by ZEP, that is used for various cleaning purposes around the plant; tools, lab utensils, etc.. An MSDS for this product is attached for your reference. See the attached picture #1.
- b) One drum contained a product named 596-B Aluminum Brightener. This drum was many years old, where the labels had faded; thus it was not properly identifiable. A label and MSDS for this material is also attached for your reference. See the attached picture #1.
- c) One drum contained a product named 592 REACT, that is used as the pre wash material for the above 596-B Aluminum Brightener Product. This is the drum that had the crack in the top of it, where it had leaked on to the ground and that you sampled, to run a PH analysis. The MSDS for this material is also attached for you reference. You will note that this show's the PH for this product to be 11.9. Your report stated that your result was a PH of 14. Based on the MSDS and the information that was available during the inspection, we believe that the PH was below 12.5, thus, it was not a hazardous waste. The material in question has been collected and disposed of in accordance with the applicable regulations. Picture # 2 attached shows this drum.

# Page # 2

- d) One drum was labeled as Chemoca: a former citrus based cleaning product that we used in the plant, prior to switching over to the use of the ZEP product mentioned above. The Chemcoa label has been removed and it is now stenciled "used oil for recycling". This is the drum that you noticed the NFPA fire hazard 3 on the label, thus, this was not an applicable issue. See the attached picture #3.
- e) One drum was a "used oil to be recycled" drum, and was properly stenciled. Since your visit, this drum has been cleaned and made more readable. See the attached picture #4.
- f) Two drums were empty plastic storage drums. See pictures # 5 and # 5A attached.

The lead-acid batteries that you saw have now been sent off to be recycled. Since there were no hazardous waste, there are no manifest's to provide, as you requested.

We have already, and well further review the proper storage and handling procedures for all products that are in use in the plant, with our employee's.

VIOLATION 2: Failure to immediately clean up a spill of a hazardous material.

This material was the 592 REACT drum referenced above as "c". We contend that if the PH was not at the 14 level, then this was not a hazardous material spill.

VIOLATION 3: Placing wastes in a location where the wastes are likely to enter the waters of the state.

The materials in question were cleaned up immediately and were disposed of in accordance with all applicable regulations. See picture # 6 of this cleaned up area.

TJ faxed you a copy of a Sanifill of Oregon, Generator's Special Waste Profile sheet, which was not applicable, to our current permit. Our current permit is with USA Waste Services, Inc. and is based on the information contained in the MSDS's for the products to be disposed, and the generator's knowledge of the product. A copy of our current permit is attached.

Also, Koppers Industries would like to have a copy of all of the pictures that were taken, during your visit on the 4<sup>th</sup>, for our files.

Please advise, if you require any additional information.

Sincerely

mos Kamerer

Degnon699.1

CC: T. Self, Environmental Manager, Koppers Industries

Bcc: J. Dretz

T.J. TURNER



## Department of Environmental Quality

1999,06-30

Northwest Region 2020 SW Fourth Avenue Suite 400 Portland, OR 97201-4987 (503) 229-5263 Voice TTY (503) 229-5471

June 28, 1999

MR AMOS KAMERER KOPPERS INDUSTRIES 7540 NW ST HELENS ROAD PORTLAND OREGON 97210-3663

> RE: HW-Multnomah County Koppers Industries ORD 02773459 NWR -HW-99-042

CERTIFIED MAIL RETURN

RECIEPT REQUESTED

#### Dear Mr. Kamerer:

I have read your response to the Notice of Noncompliance sent to you on June 4, 1999. The response submitted has not addressed the issues correctly. I requested that a hazardous waste determination be done on several drums located at your facility. There were two drums that you have identified as being waste, however, you have not supplied documentation to demonstrate an adequate waste determination. One of these drums contained a corrosive material and one drum contained used oil and ZEP cleaner, which you now claim, has used oil. Both of these containers need to be tested. The MSDS sheets are to be used for employee safety not to use as a waste determination exclusively. The pH paper used during the inspection indicated that the pH was above the 12.5 range. The type of paper used does not vary to the degree that you state the pH is. This waste will need to be tested to determine the exact pH. Additionally, this container needs to be over packed or placed in a new container. I requested that this be done during the inspection to prevent more spillage. That has not been corrected as your photographs show. The other container that you have marked as used oil will also need to be tested. There is conflicting information on the container, and there was no knowledge expressed at the time of the inspection that would indicate that any of these containers held used oil.

It should also be noted that containers are required to be labeled for Oregon OSHA and the state fire marshal. The lack labels on the containers would not have complied with either of these requirements.

With respect to your answer to Violation 2, you are incorrect with your assessment of what constitutes a spill of a hazardous material. This material is a corrosive material as defined under the Department of Transportation. All spills onto soil are required to be cleaned up immediately. I am enclosing a copy of the spill rules so that you can properly manage spills on your property in the future. You should also be aware that no releases are allowed to the soils or waters of the state without a permit, the release from the Clean Sweep truck was not a permitted discharge, and therefore was cited as a different violation.

15:29

June 28, 1999 Page 2

I am also requesting that you provide me with the following documentation to demonstrate compliance with the Notice of Noncompliance originally sent on June 4, 1999.

285 3681

- 1. Submit a hazardous waste determination on the two drums of waste at the facility. This must include waste testing. A pH must be performed on the corrosive material, and if this material was used for cleaning then TCLP metals will also need to be tested for.
- 2. Submit lab data on the drum that you are claiming is used oil. This data needs to include a flash point test, TCLP metals, and a pH will also need to be done on this container, because there is some dispute about the nature of the cleaning compound.
- 3. The corrosive drum will need to be overpacked. Supply photodocumentation that this has been done.
- 4. For the violations related to the spill and the placing of waste in a location where they are likely to enter the waters of the state, enclosed is a spill report outline. Both of these issues need to be addressed under the spill report outline.

All the above requested information will need to be submitted to me within 10 days from the receipt of this Notice. (wed. 6/80/39)

Should you have any questions or concerns regarding this letter please feel free to contact me at 229-5543.

ALLIAN

Rebecca Paul

**Environmental Specialist** 

Northwest Region

Post-it® Fax Note 7671	Date 6/30/99 # of Pages 2
To T. Self	From Amos
Control J. Dietz	Co.
Phone #	Phone #
Fax #	Fex#



FILE PORTLAND - SHES
THIS RAND - SHES
KOPPER Industries, Inc.

7540 N.W. St. Helens Road Portland, OR 97210-3663

> Telephone: 503-286-3681 Fax: 503-285-2831

Amos S. Kamerer

June 1, 2000

Oregon Department of Environmental Quality Northwest Region 2020 SW 4<sup>th</sup> Avenue, Suite 400 Portland, Oregon 97201-4987

Attention: Randall Bailey

Reference: Air Containment Discharge Permit # 26-2930

Notice of Intent to Construct

Dear Mr. Bailey,

As per our recent discussions, attached please find the Notice of Intent to Construct covering the new thermal oxidizer that Koppers Industries will be installing, to replace our existing system.

If you have any questions, please contact me at 286-3681, or via e-mail at: amos\_kamerer@koppers.com

Sincerely

∕Amos S. Kamerer

CC: J. Dietz, KII

T. Self, KII

M. Cilley, KII

B. Meisinger, Kll

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ORM

Iden	tifica	tion	Infor	mation

1. Permit Number <u>26-2930</u>

2. Legal Company Name:	3. Facility Name: (if different from legal company name)
Koppers Industries, Inc.	
Company Name	Facility Name
7540 NW Saint Helens Road	
Mailing Address	Location Address
Portland, OR 97210	
City, State, Zip	City, State, Zip
4. Compliance Contact:	5. Information/Clarification Contact:
Amos S. Kamerer, Plant Manager	
Name & Title	Name & Title
same as above	
Mailing Address	Location Address
(503) 286-3681	
Area Code & Telephone Number	Area Code & Telephone Number

## **Facility Information**

6	SIC Codes:	2	Ω	6	5

7.	Other Department permits?	(y/n; if y, specify type and permit number)	Yes X	No
	NPDES # 101642	·		

8. Increased capacity/emissions, new pollutants? Yes \_\_\_\_\_ No \_x

9. If applicable, attach a Land Use Compatibility Statement.

# **Construction Information**

10. Description of proposed construction: <u>To add a thermal oxidizer to the pitch fume recovery</u> system. The new thermal oxidizer will replace the existing system.

Notice Of Intent T	O Construct			A	ORM Answer Sheet
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<ul><li>12. Attach Form A</li><li>13. Attach a proce</li><li>Emissions Data</li></ul>	AQ301, Control Devices flow diagram.	ce Description, if ap		applicable.	
a. Emissions Point	b. Pollutant		ction Emissions	d. Post-Constru	ction Emissions
		short-term (specify unit)	annual (tons/year)	short-term (specify unit)	annual (tons/year)
Liquid Pitch				Per the data th	
Storage Tanks				supplied with	he original
and Load out					
locations					

15. Description of waste disposal practices *before* the construction:

No waste disposal is involved.

# **KOPPERS INDUSTRIES - Portland** Reporting Requirements 2000

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